

NM1-11

C-138

Date: 1996

O. Box 1940
Albuquerque, NM 88241-1980
(505) 748-1283
11 S. First
Albuquerque, NM 88210
District III - (505) 334-6178
200 Rio Brazos Road
Albuquerque, NM 87410
District IV - (505) 827-7131

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

CLIENT

Department

Form C-13
Originated 4/18/

OIL CONSERVATION DIVISION
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Submit Original
Plus 1 Copy
to appropriate
District Office

1996 MAR 28 AM 8 52

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒

Verbal Approval Received: Yes ☐ No ☒

2. Management Facility Destination Envirotech Soil Remediation
Facility Landfarm No. 2 Hilltop, NM

3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM

7. Location of Material (Street Address or ULSTR)

4. Generator EL Paso Natural Gas

5. Originating Site Window Rock Station

6. Transporter ENVIROTECH

8. State ARIZONA to blow Hauler

3 miles west of Window Rock
@ EPNG Pump Station.

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.
- 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:

Hydrocarbon Contaminated soil resulting from the
clean up of oil contaminated soils around compressors

TCLP ATTACHED

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

Estimated Volume 13 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 3-25-96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. 505-632-0615

Envirotech is not happy with this analysis but it is acceptable.

This space for State Use

APPROVED BY: Denny G. Fent

TITLE: Geologist

DATE: 3/27/96

APPROVED BY: C. S. Smith

TITLE: GEOLOGIST

DATE: 3/29/96

P. O. Box 1940
Hobbs, NM, 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-1
Originated 4/18

Submit Orig
Plus 1 Co
to appropriate
District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator EL Paso Natural Gas
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Window Rock Station
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State ARIZONA to (Flow Haul)
7. Location of Material (Street Address or ULSTR)	3 miles west of Window Rock @ EPLG Pump Station.
9. <u>Circle One</u> : 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. 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:

Hydrocarbon Contaminated soil resulting from the clean up of oil contaminated soils around compressors
TCLP ATTACHED

RECEIVED
MAR 26 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 13 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 3-25-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

Envirotech is not happy with this analysts but is acceptable.

(This space for State Use)

APPROVED BY: Denny G. Fout TITLE: Geologist DATE: 3/27/96
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

El Paso Natural Gas Company's
Originating Location: Window Rock Station, St. Michaels, AZ.
Source: oil and used oil stained soil from compressor station
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for El Paso Natural Gas Company, concur with the status of the waste from the subject site.

Name Richard Duarte
Title/Agency Sr. Environmental Engr.
Address 3801 Atasco Blvd
Albuquerque, NM
Signature Richard Duarte
Date 11/9/95

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0	D004	* Hexachlorobenzene	0.13	D032
* Barium	100.0	D005	* Hexachlorobutadiene	0.5	D033
Benzene	0.5	D018	* Hexachloroethane	3.0	D034
* Cadmium	1.0	D006	* Lead	5.0	D008
Carbon tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlordane	0.03	D020	* Mercury	0.2	D009
Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0	D022	Methyl ethyl ketone	200.0	D035
* Chromium	5.0	D007	* Nitrobenzene	2.0	D036
Cresol	200.0	D026	* Pentachlorophenol	100.0	D037
m-Cresol	200.0	D024	* Pyridine	5.0	D038 2/28/96 ADULT
o-Cresol	200.0	D023	* Selenium	1.0	D010
p-Cresol	200.0	D025	* Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5	D027	Tetrachloroethylene	0.7	D039
1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7	D029	Trichloroethylene	0.5	D040
* 2,4-Dinitrotoluene	0.13	D030	* 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	* 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	Vinyl chloride	0.2	D043

* -EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

Sample #: F960032

Method: EPA 8270
Analyst: T. Meadows
Matrix: Soil

Sample (gm): 30.1
Extract (final ml): 2.0

AALI#: 02-080-1
Data File: C:\HPCHEM\1\DATA\960305\ 0601006.D
Instrument: GCMS2
Extraction: 02/28/96
Analysis: 03/05/96

Surrogates	Recovery	Limits
2-Fluorophenol	51%	25 - 125
Phenol-d5	67%	24 - 113
Nitrobenzene-d5	62%	23 - 120
2-Fluorobiphenyl	66%	30 - 115
2,4,6-Tribromophenol	90%	19 - 122
Terphenyl-d14	90%	18 - 137

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
62-53-3	Aniline	330		ND
129-00-0	Pyridine	66		ND
111-44-4	bis(2-Chloroethyl)ether	66		ND
108-95-2	Phenol	130		ND
95-57-8	2-Chlorophenol	130		ND
541-73-1	1,3-Dichlorobenzene	66		ND
106-46-7	1,4-Dichlorobenzene	66		ND
95-50-1	1,2-Dichlorobenzene	66		ND
100-51-6	Benzyl alcohol <i>m-cresol</i>	130		ND
108-60-1	bis(2-chloroisopropyl)ether	66		ND
95-48-7	2-Methylphenol <i>o-cresol</i>	66		ND
67-72-1	Hexachloroethane	66		ND
621-64-7	N-Nitroso-di-n-propylamine	66		ND
106-44-5	4-Methylphenol <i>p-cresol</i>	66		ND
98-95-3	Nitrobenzene	130		ND
78-59-1	Isophorone	66		ND
88-75-5	2-Nitrophenol	130		ND
105-67-9	2,4-Dimethylphenol	130		ND
111-91-1	bis(2-Chloroethoxy)methane	66		ND
120-83-2	2,4-Dichlorophenol	130		ND
120-82-1	1,2,4-Trichlorobenzene	66		ND
91-20-3	Naphthalene	66		ND
106-47-8	4-Chloroaniline	330		ND
87-68-3	Hexachlorobutadiene	66		ND
59-50-7	4-Chloro-3-methylphenol	130		ND
91-57-6	2-Methylnaphthalene	66		ND
88-06-2	2,4,6-Trichlorophenol	130		ND
95-95-4	2,4,5-Trichlorophenol	130		ND
91-58-7	2-Chloronaphthalene	66		ND

ND = Analyzed for but not detected at the indicated level
B = Found in the Method Blank at a comparable level
Q = Quality control limits exceeded
J = Detected at a level below normal reporting limits.

(continued)

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



(page 2)

AAI#: 02-080-1

Data File: C:\HPCHEM\1\DATA\960305\

0601006.D

Instrument: GCMS2

Extraction: 02/28/96

Analysis: 03/05/96

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
88-74-4	2-Nitroaniline	130		ND
208-96-8	Acenaphthylene	66		ND
131-11-3	Dimethylphthalate	66		ND
606-20-2	2,6-Dinitrotoluene	66		ND
83-32-9	Acenaphthene	66		ND
99-09-2	3-Nitroaniline	330		ND
51-28-5	2,4-Dinitrophenol	330		ND
132-64-9	Dibenzofuran	330		ND
121-14-2	2,4-Dinitrotoluene	66		ND
100-02-7	4-Nitrophenol	66		ND
86-73-7	Fluorene	66		ND
7005-72-3	4-Chlorophenyl-phenylether	66		ND
84-66-2	Diethylphthalate	66		ND
100-01-6	4-Nitroaniline	330		ND
534-52-1	4,6-Dinitro-2-methylphenol	330		ND
86-30-6	n-Nitrosodiphenylamine	66		ND
103-33-3	Azobenzene	66		ND
101-55-3	4-Bromophenyl-phenylether	66		ND
118-74-1	Hexachlorobenzene	66		ND
87-86-5	Pentachlorophenol	330		ND
85-01-8	Phenanthrene	66		ND
120-12-7	Anthracene	66		ND
84-74-2	Di-n-butylphthalate	66	86	B
206-44-0	Fluoranthene	66		ND
92-87-5	Benzidine	66		ND
129-00-0	Pyrene	66		ND
85-68-7	Butylbenzylphthalate	66		ND
91-94-1	3,3'-Dichlorobenzidine	66		ND
56-55-3	Benzo[a]anthracene	130		ND
218-01-9	Chrysene	66		ND
117-81-7	bis(2-Ethylhexyl)phthalate	330	720	B
117-84-0	Di-n-octylphthalate	66		ND
205-99-2	Benzo[b]fluoranthene	66		ND
207-08-9	Benzo[k]fluoranthene	66		ND
50-32-8	Benzo[a]pyrene	66		ND
193-39-5	Indeno[1,2,3-cd]pyrene	66		ND
53-70-3	Dibenz[a,h]anthracene	66		ND
191-24-2	Benzo[g,h,i]perylene	66		ND

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AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #: F960033

Method: EPA 8270
Analyst: T. Meadows
Matrix: Soil

Sample (gm): 30.1
Extract (final ml): 2.0

AALI#: 02-080-2
Data File: C:\HPCHEM\1\DATA\960305\ 0901009.D
Instrument: GCMS2
Extraction: 02/28/96
Analysis: 03/05/96

Surrogates	Recovery	Limits
2-Fluorophenol	66%	25 - 125
Phenol-d5	88%	24 - 113
Nitrobenzene-d5	79%	23 - 120
2-Fluorobiphenyl	80%	30 - 115
2,4,6-Tribromophenol	89%	19 - 122
Terphenyl-d14	105%	18 - 137

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
82-53-3	Aniline	330		ND
129-00-0	Pyridine	66		ND
111-44-4	bis(2-Chloroethyl)ether	66		ND
108-95-2	Phenol	130		ND
95-57-8	2-Chlorophenol	130		ND
541-73-1	1,3-Dichlorobenzene	66		ND
106-46-7	1,4-Dichlorobenzene	66		ND
95-50-1	1,2-Dichlorobenzene	66		ND
100-51-6	Benzyl alcohol <i>m-cresol</i>	130		ND
108-60-1	bis(2-chloroisopropyl)ether	66		ND
95-48-7	2-Methylphenol <i>o-cresol</i>	66		ND
67-72-1	Hexachloroethane	66		ND
621-64-7	N-Nitroso-di-n-propylamine	66		ND
106-44-5	4-Methylphenol <i>p-cresol</i>	66		ND
98-95-3	Nitrobenzene	130		ND
78-59-1	Isophorone	66		ND
88-75-5	2-Nitrophenol	130		ND
105-67-9	2,4-Dimethylphenol	130		ND
111-91-1	bis(2-Chloroethoxy)methane	66		ND
120-83-2	2,4-Dichlorophenol	130		ND
120-82-1	1,2,4-Trichlorobenzene	66		ND
91-20-3	Naphthalene	66		ND
106-47-8	4-Chloroaniline	330		ND
87-68-3	Hexachlorobutadiene	66		ND
59-50-7	4-Chloro-3-methylphenol	130		ND
91-57-6	2-Methylnaphthalene	66		ND
88-06-2	2,4,6-Trichlorophenol	130		ND
95-95-4	2,4,5-Trichlorophenol	130		ND
91-58-7	2-Chloronaphthalene	66		ND

ND = Analyzed for but not detected at the indicated level
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(continued)

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #: F960033

(pg 2)

Method: EPA 8270

AALI#: 02-080-2

Analyst: T. Meadows

Data File: C:\HPCHEM\1\DATA\960305\

0901009.D

Matrix: Soil

Instrument: GCMS2

Sample (gm): 30.13

Extraction: 02/28/96

Extract (final ml): 2.0

Analysis: 03/05/96

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
88-74-4	2-Nitroaniline	130		ND
208-96-8	Acenaphthylene	66		ND
131-11-3	Dimethylphthalate	66		ND
606-20-2	2,6-Dinitrotoluene	66		ND
83-32-9	Acenaphthene	66		ND
99-09-2	3-Nitroaniline	330		ND
51-28-5	2,4-Dinitrophenol	330		ND
132-64-9	Dibenzofuran	330		ND
121-14-2	2,4-Dinitrotoluene	66		ND
100-02-7	4-Nitrophenol	66		ND
86-73-7	Fluorene	66		ND
7005-72-3	4-Chlorophenyl-phenylether	66		ND
84-66-2	Diethylphthalate	66		ND
100-01-6	4-Nitroaniline	330		ND
534-52-1	4,6-Dinitro-2-methylphenol	330		ND
86-30-6	n-Nitrosodiphenylamine	66		ND
103-33-3	Azobenzene	66		ND
101-55-3	4-Bromophenyl-phenylether	66		ND
118-74-1	Hexachlorobenzene	66		ND
87-86-5	Pentachlorophenol	330		ND
85-01-8	Phenanthrene	66		ND
120-12-7	Anthracene	66	110	
84-74-2	Di-n-butylphthalate	66	130	B
206-44-0	Fluoranthene	66		ND
92-87-5	Benzidine	66		ND
129-00-0	Pyrene	66	170	
85-68-7	Butylbenzylphthalate	66		ND
91-94-1	3,3'-Dichlorobenzidine	66		ND
56-55-3	Benzo[a]anthracene	130		ND
218-01-9	Chrysene	66	-	ND
117-81-7	bis(2-Ethylhexyl)phthalate	330	700	B
117-84-0	Di-n-octylphthalate	66		ND
205-99-2	Benzo[b]fluoranthene	66		ND
207-08-9	Benzo[k]fluoranthene	66		ND
50-32-8	Benzo[a]pyrene	66		ND
193-39-5	Indeno[1,2,3-cd]pyrene	66		ND
53-70-3	Dibenz[a,h]anthracene	66		ND
191-24-2	Benzo[g,h,i]perylene	66		ND

ND = Analyzed for but not detected at the indicated level

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J = Detected at a level below normal reporting limits.

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #:

Method Blank

Method: EPA 8270

Analyst: T. Meadows

Matrix: Blank

Sample (gm): 30

Extract (final ml): 2.0

AALI#: 2/28/96-MB

Data File: C:\HPCHEM\1\DATA\980305\

0401

D

Instrument: GCMS2

Extraction: 02/28/96

Analysis: 03/05/96

Surrogates

Recovery

Limits

2-Fluorophenol	73%	25 - 125
Phenol-d5	77%	24 - 113
Nitrobenzene-d5	81%	23 - 120
2-Fluorobiphenyl	86%	30 - 115
2,4,6-Tribromophenol	93%	19 - 122
Terphenyl-d14	91%	18 - 137

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
62-53-3	Aniline	340		ND
129-00-0	Pyridine	67		ND
111-44-4	bis(2-Chloroethyl)ether	67		ND
108-95-2	Phenol	130		ND
95-57-8	2-Chlorophenol	130		ND
541-73-1	1,3-Dichlorobenzene	67		ND
106-46-7	1,4-Dichlorobenzene	67		ND
95-50-1	1,2-Dichlorobenzene	67		ND
100-51-6	Benzyl alcohol <i>m-cresol</i>	130		ND
108-60-1	bis(2-chloroisopropyl)ether	67		ND
95-48-7	2-Methylphenol <i>o-cresol</i>	67		ND
67-72-1	Hexachloroethane	67		ND
621-64-7	N-Nitroso-di-n-propylamine	67		ND
106-44-5	4-Methylphenol <i>p-cresol</i>	67		ND
98-95-3	Nitrobenzene	130		ND
78-59-1	Isophorone	67		ND
88-75-5	2-Nitrophenol	130		ND
105-67-9	2,4-Dimethylphenol	130		ND
111-91-1	bis(2-Chloroethoxy)methane	67		ND
120-83-2	2,4-Dichlorophenol	130		ND
120-82-1	1,2,4-Trichlorobenzene	67		ND
91-20-3	Naphthalene	67		ND
106-47-8	4-Chloroaniline	340		ND
87-68-3	Hexachlorobutadiene	67		ND
59-50-7	4-Chloro-3-methylphenol	130		ND
91-57-6	2-Methylnaphthalene	67		ND
88-06-2	2,4,6-Trichlorophenol	130		ND
95-95-4	2,4,5-Trichlorophenol	130		ND
91-58-7	2-Chloronaphthalene	67		ND

(continued)

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J = Detected at a level below normal reporting limits.

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #: Method B

(page 2)

Method: EPA 8270

AALI#: 2/28/96-MB

Analyst: T. Meadows

Data File: C:\HPCHEM\1\DATA\980305\

0401004.D

Matrix: Soil

Instrument: GCMS2

Sample (gm): 30.14

Extraction: 02/28/96

Extract (final ml): 2.0

Analysis: 03/05/96

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
88-74-4	2-Nitroaniline	130		ND
208-96-8	Acenaphthylene	66		ND
131-11-3	Dimethylphthalate	66		ND
606-20-2	2,6-Dinitrotoluene	66		ND
83-32-9	Acenaphthene	66		ND
99-09-2	3-Nitroaniline	330		ND
51-28-5	2,4-Dinitrophenol	330		ND
132-64-9	Dibenzofuran	330		ND
121-14-2	2,4-Dinitrotoluene	66		ND
100-02-7	4-Nitrophenol	66		ND
86-73-7	Fluorene	66		ND
7005-72-3	4-Chlorophenyl-phenylether	66		ND
84-66-2	Diethylphthalate	66		ND
100-01-6	4-Nitroaniline	330		ND
534-52-1	4,6-Dinitro-2-methylphenol	330		ND
86-30-6	n-Nitrosodiphenylamine	66		ND
103-33-3	Azobenzene	66		ND
101-55-3	4-Bromophenyl-phenylether	66		ND
118-74-1	Hexachlorobenzene	66		ND
87-86-5	Pentachlorophenol	330		ND
85-01-8	Phenanthrene	66		ND
120-12-7	Anthracene	66		ND
84-74-2	Di-n-butylphthalate	66	240	
206-44-0	Fluoranthene	66		ND
92-87-5	Benzidine	66		ND
129-00-0	Pyrene	66		ND
85-68-7	Butylbenzylphthalate	66		ND
91-94-1	3,3'-Dichlorobenzidine	66		ND
56-55-3	Benzo[a]anthracene	130		ND
218-01-9	Chrysene	66		ND
117-81-7	bis(2-Ethylhexyl)phthalate	330	610	
117-84-0	Di-n-octylphthalate	66		ND
205-99-2	Benzo[b]fluoranthene	66		ND
207-08-9	Benzo[k]fluoranthene	66		ND
50-32-8	Benzo[a]pyrene	66		ND
193-39-5	Indeno[1,2,3-cd]pyrene	66		ND
53-70-3	Dibenz[a,h]anthracene	66		ND
191-24-2	Benzo[g,h,i]perylene	66		ND

ND = Analyzed for but not detected at the indicated level

B = Found in the Method Blank at a comparable level

Q = Quality control limits exceeded

J = Detected at a level below normal reporting limits.

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #: Laboratory Control Spike

Method:	EPA 8270	AALI#:	2/28/96-LCS	
Analyst:	T. Meadows	Data File:	C:\HPCHEM\1\DATA\960305\	0501005.D
Matrix:	Blank	Instrument:	GCMS2	
Sample (gm):	30	Extraction:	02/28/96	
Extract (final ml):	2.0	Analysis:	03/05/96	

Surrogates	Recovery	Limits
2-Fluorophenol	58%	25 - 125
Phenol-d5	68%	24 - 113
Nitrobenzene-d5	73%	23 - 120
2-Fluorobiphenyl	76%	30 - 115
2,4,6-Tribromophenol	91%	19 - 122
Terphenyl-d14	85%	18 - 137

CAS #	Spike Compounds	Recovery	Limits
108-95-2	Phenol	63%	50 - 150
95-57-8	2-Chlorophenol	57%	50 - 150
106-46-7	1,4-Dichlorobenzene	73%	50 - 150
621-64-7	N-Nitroso-di-n-propylamine	61%	50 - 150
120-82-1	1,2,4-Trichlorobenzene	93%	50 - 150
59-50-7	4-Chloro-3-methylphenol	97%	50 - 150
83-32-9	Acenaphthene	69%	50 - 150
121-14-2	2,4-Dinitrotoluene	78%	50 - 150
100-02-7	4-Nitrophenol	109%	50 - 150
87-86-5	Pentachlorophenol	92%	50 - 150
129-00-0	Pyrene	105%	50 - 150

Q = Quality control limits exceeded

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #: F960032 Duplicate

Method: EPA 8270
Analyst: T. Meadows
Matrix: Soil
Sample (gm): 30.1
Extract (final ml): 2.0

AALI#: 02-080-1 Dup
Data File: C:\HPCHEM\1\DATA\960305\ 0701007.D
Instrument: GCMS2
Extraction: 02/28/96
Analysis: 03/05/96

Surrogates	Recovery	Limits
2-Fluorophenol	61%	25 - 125
Phenol-d5	74%	24 - 113
Nitrobenzene-d5	65%	23 - 120
2-Fluorobiphenyl	78%	30 - 115
2,4,6-Tribromophenol	105%	19 - 122
Terphenyl-d14	109%	18 - 137

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
62-53-3	Aniline	330		ND
129-00-0	Pyridine	66		ND
111-44-4	bis(2-Chloroethyl)ether	66		ND
108-95-2	Phenol	130		ND
95-57-8	2-Chlorophenol	130		ND
541-73-1	1,3-Dichlorobenzene	66		ND
106-46-7	1,4-Dichlorobenzene	66		ND
95-50-1	1,2-Dichlorobenzene	66		ND
100-51-6	Benzyl alcohol	130		ND
108-60-1	bis(2-chloroisopropyl)ether	66		ND
95-48-7	2-Methylphenol	66		ND
67-72-1	Hexachloroethane	66		ND
621-64-7	N-Nitroso-di-n-propylamine	66		ND
106-44-5	4-Methylphenol	66		ND
98-95-3	Nitrobenzene	130		ND
78-59-1	Isophorone	66		ND
88-75-5	2-Nitrophenol	130		ND
105-67-9	2,4-Dimethylphenol	130		ND
111-91-1	bis(2-Chloroethoxy)methane	66		ND
120-83-2	2,4-Dichlorophenol	130		ND
120-82-1	1,2,4-Trichlorobenzene	66		ND
91-20-3	Naphthalene	66		ND
106-47-8	4-Chloroaniline	330		ND
87-68-3	Hexachlorobutadiene	66		ND
59-50-7	4-Chloro-3-methylphenol	130		ND
91-57-6	2-Methylnaphthalene	66		ND
88-06-2	2,4,6-Trichlorophenol	130		ND
95-95-4	2,4,5-Trichlorophenol	130		ND
91-58-7	2-Chloronaphthalene	66		ND

ND = Analyzed for but not detected at the indicated level

(continued)

B = Found in the Method Blank at a comparable level

Q = Quality control limits exceeded

J = Detected at a level below normal reporting limits.

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #: F960032 replicate

(pg 2)

Method: EPA 8270

AALI#: 02-080-1 Dup

Analyst: T. Meadows

Data File: C:\HPCHEM\1\DATA\960305\

0701007.D

Matrix: Soil

Instrument: GCMS2

Sample (gm): 30.14

Extraction: 02/28/96

Extract (final ml): 2.0

Analysis: 03/05/96

CAS #	Target Analytes	Detection Limit ppb	Sample ug/Kg ppb	Flags
88-74-4	2-Nitroaniline	130		ND
208-96-8	Acenaphthylene	66		ND
131-11-3	Dimethylphthalate	66		ND
606-20-2	2,6-Dinitrotoluene	66		ND
83-32-9	Acenaphthene	66		ND
99-09-2	3-Nitroaniline	330		ND
51-28-5	2,4-Dinitrophenol	330		ND
132-64-9	Dibenzofuran	330		ND
121-14-2	2,4-Dinitrotoluene	66		ND
100-02-7	4-Nitrophenol	66		ND
86-73-7	Fluorene	66		ND
7005-72-3	4-Chlorophenyl-phenylether	66		ND
84-66-2	Diethylphthalate	66		ND
100-01-6	4-Nitroaniline	330		ND
534-52-1	4,6-Dinitro-2-methylphenol	330		ND
86-30-6	n-Nitrosodiphenylamine	66		ND
103-33-3	Azobenzene	66		ND
101-55-3	4-Bromophenyl-phenylether	66		ND
118-74-1	Hexachlorobenzene	66		ND
87-86-5	Pentachlorophenol	330		ND
85-01-8	Phenanthrene	66		ND
120-12-7	Anthracene	66		ND
84-74-2	Di-n-butylphthalate	66	150	B
206-44-0	Fluoranthene	66		ND
92-87-5	Benzidine	66		ND
129-00-0	Pyrene	66		ND
85-68-7	Butylbenzylphthalate	66		ND
91-94-1	3,3'-Dichlorobenzidine	66		ND
56-55-3	Benzo[a]anthracene	130		ND
218-01-9	Chrysene	66		ND
117-81-7	bis(2-Ethylhexyl)phthalate	330	840	B
117-84-0	Di-n-octylphthalate	66		ND
205-99-2	Benzo[b]fluoranthene	66		ND
207-08-9	Benzo[k]fluoranthene	66		ND
50-32-8	Benzo[a]pyrene	66		ND
193-39-5	Indeno[1,2,3-cd]pyrene	66		ND
53-70-3	Dibenz[a,h]anthracene	66		ND
191-24-2	Benzo[g,h,i]perylene	66		ND

ND = Analyzed for but not detected at the indicated level

B = Found in the Method Blank at a comparable level

Q = Quality control limits exceeded

J = Detected at a level below normal reporting limits.

AMERICAN ANALYTICAL LABORATORIES, INC

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Sample #: F960032 Matrix Spike

Method: EPA 8270 AALI#: 02-080-1 MS
Analyst: T. Meadows Data File: C:\HPCHEM\1\DATA\960305\ 0801008.D
Matrix: Blank Instrument: GCMS2
Sample (gm): 30 Extraction: 02/28/96
Extract (final ml): 2.0 Analysis: 03/05/96

Surrogates	Recovery	Limits
2-Fluorophenol	57%	25 - 125
Phenol-d5	78%	24 - 113
Nitrobenzene-d5	65%	23 - 120
2-Fluorobiphenyl	76%	30 - 115
2,4,6-Tribromophenol	112%	19 - 122
Terphenyl-d14	219% Q	18 - 137

CAS #	Spike Compounds	Recovery	Limits
108-95-2	Phenol	62%	50 - 150
95-57-8	2-Chlorophenol	52%	50 - 150
106-46-7	1,4-Dichlorobenzene	62%	50 - 150
621-64-7	N-Nitroso-di-n-propylamine	77%	50 - 150
120-82-1	1,2,4-Trichlorobenzene	86%	50 - 150
59-50-7	4-Chloro-3-methylphenol	103%	50 - 150
83-32-9	Acenaphthene	73%	50 - 150
121-14-2	2,4-Dinitrotoluene	70%	50 - 150
100-02-7	4-Nitrophenol	100%	50 - 150
87-86-5	Pentachlorophenol	87%	50 - 150
129-00-0	Pyrene	116%	50 - 150

Q = Quality control limits exceeded

AMERICAN ANALYTICAL LABORATORIES, INC.

(206) 762-7599 / FAX (206) 762-7665 / 8220 7th Avenue South / Seattle, WA 98108



Chain of Custody/ Laboratory Analysis Request

DATE 2/23/96 PAGE 1 OF 1

PROJECT Window Rock Station
CLIENT INFO.
CONTACT _____

TOR NAME _____
TELEPHONE # _____
SAMPLERS NAME _____ PHONE # _____
SAMPLERS SIGNATURE _____

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE
1 <u>160032</u>			<u>96</u>	
2 <u>160033</u>			<u>6A266</u>	
3				
4				
5				
6				
7				
8				

Relinquished By Stan Melo
Signature [Signature]
Printed Name _____
Firm PEI
Date/Time 2/23/96
Received _____
Signature _____
Printed Name Richard Van
Firm Env. Analytical
Date/Time 2-23-96 1132 A.M.

Relinquished By _____
Signature _____
Printed Name _____
Firm _____
Date/Time _____
Received By _____
Signature _____
Printed Name _____
Firm _____
Date/Time _____

ANALYSIS REQUESTED

BASE/NEU/ACID ORGAN.
GC/MS/825/8270
VOLATILE ORGANICS
GC/MS/824/8240
PCB's
608/8080
TPH (circle method)
418.1 or 8015
BETX (circle method)
8240 or 8020
F-LISTED SOLVENTS
8240
TCLP F-LISTED SOLVENTS
1311/8240
TCLP METALS
D004-11
METALS (TOTAL)
As, Ba, Cd, Cr, Cu, Pb,
Ni, Hg, Ag, Se, Ti,
Sb, Zn
TCLP ORGANICS (specify methods)
• VOA's 8240
• BNA's 8270
• Pesticides 8080
• Herbicides 8150
DISCHARGE
TESTING

OTHER
(Specify)

NUMBER OF CONTAINERS

RECEIVED IN GOOD CONDITION?

SPECIAL INSTRUCTIONS/COMMENTS:

please include Pyridine in the Analysis.

Thanks
Stan Melo.

1676

CHAIN OF CUSTODY RECORD

Page 1 of 1

SENT BY: Xerox Telecopier 7021 : 3-25-96 : 13:52 : Albuquerque Division

505 632 1865: #16

PROJECT NUMBER		PROJECT NAME			TOTAL NUMBER OF CONTAINERS	COMPOSITE OR GRAB	REQUESTED ANALYSIS						CONTRACT LABORATORY P. O. NUMBER	
SAMPLERS: (Signature)		DATE:												
LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER									REMARKS	
	2-21-96	1305	SOIL	F960032	1	C	1						96A2667	
	2-21-96	1345	SOIL	F960033	1	C	1						96A2668	
(The remaining rows of the table are crossed out with a large diagonal line.)														
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		
<i>Charles R. Padilla</i>		2-22-96 1535		<i>Stuart</i>		2/23/96 9:30 AM								
RELINQUISHED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED BY: (Signature)		DATE/TIME		RECEIVED OF LABORATORY BY: (Signature)		
REQUESTED TURNAROUND TIME: ☐ ROUTINE ☐ RUSH				SAMPLE RECEIPT REMARKS				RESULTS & INVOICES TO:						
C CO.								TRANSMISSION OPERATIONS LABORATORY EL PASO NATURAL GAS COMPANY 8845 RAILROAD DRIVE EL PASO, TEXAS 79904						
BILL NO.:				CHARGE CODE				915-541-9228 FAX: 915-541-9335						

#6767

TELECOPY TRANSMITTAL

FM-88-0182 (Rev. 11-89)

PAGE(s) TRANSMITTED Numerous	DATE 3-25
--	---------------------

TO	NAME OF RECIPIENT Harlen	
	NAME OF COMPANY	CITY / STATE
	ADDRESS OF COMPANY Enviro - Tech	TELEPHONE NUMBER
	FAX NUMBER (Required)	
FROM	NAME OF SENDER Richard Dunste	
	NAME OF COMPANY ☐ EL PASO NATURAL GAS ☐ OTHER	
	ADDRESS OF COMPANY ☐ 304 TEXAS AVE. ☐ OTHER	CITY / STATE EL PASO, TEXAS 79978
REMARKS	☐ Return ☐ Do Not Return	REPLY EPNG Fax Number(s) (915) 541- _____ Verify Number (915) 541- _____

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter mg/l)	EPA HW No.
* Arsenic	5.0✓	IX004	Hexachlorobenzene	0.13✓	IX032
* Barium	100.0✓	IX005	Hexachlorobutadiene	0.5✓	IX033
Benzene	0.5✓	IX018	Hexachloroethane	3.0✓	IX034
* Cadmium	1.0✓	IX006	* Lead	5.0✓	IX008
Carbon Tetrachloride	0.5✓	IX019	* Lindane	0.4	IX013 PESTICIDE
PESTICIDE Chlordane	0.03	IX020	* Mercury	0.2✓	IX009
Chlorobenzene	100.0✓	IX021	* Methoxychlor	10.0	IX014 PESTICIDE
Chloroform	6.0✓	IX022	Methyl ethyl ketone	200.0✓	IX035
* Chromium	5.0✓	IX007	Nitrobenzene	2.0✓	IX036
Cresol	200.0	IX026	Pentachlorophenol	100.0✓	IX037
m-Cresol	200.0	IX024	Pyridine	5.0	IX038
o-Cresol	200.0✓	IX023	* Selenium	1.0✓	IX010
p-Cresol	200.0✓	IX025	* Silver	5.0✓	IX011
HERBICIDE * 2,4-D	10.0	IX016	* 2,4,5-TP (Silvex)	1.0	IX017 HERBICIDE
1,4-Dichlorobenzene	7.5✓	IX027	Tetrachloroethylene	0.7✓	IX039
1,2-Dichloroethane	0.5✓	IX028	* Toxaphene	0.5	IX015 PESTICIDE
1,1-Dichloroethylene	0.7✓	IX029	Trichloroethylene	0.5✓	IX040
2,4-Dinitrotoluene	0.13✓	IX030	2,4,5-Trichlorophenol	400.0✓	IX041
PESTICIDE * Endrin	0.02	IX012	2,4,6-Trichlorophenol	2.0✓	IX042
PESTICIDE Heptachlor	0.008	IX031	Vinyl chloride	0.2✓	IX043

*-EP Toxic wastes: TCLP must now be utilized for characterizing these wastes

2-Methylphenol = o-Cresol

4-Methylphenol = p-cresol

3-Methylphenol = m-cresol = Benzyl Alcohol

TO: Rob Young - Envirotech
FROM: Richard Duarte
Sr. Environmental Engineer

DATE: November 9, 1995
PLACE: Transmission Operations
Environmental Compliance
Albuquerque Div.

Subject: Request for NMOCD Approval to Dispose Oily Dirt.

According to my conversation with Harlen on November 9, he asked that I submit these documents to you. The following is attached:

1. EPNG's October 12, 1995, letter and analytical results requesting Navajo EPA approval to dispose soil.
2. Navajo EPA's Approval Letter dated November 6, 1995.

Please take the appropriate action to procure NMOCD approval to accept this soil at Envirotech's landfarm facility. It is my understanding that Envirotech (and not EPNG) has to go through this approval process. When you gain approval, please provide EPNG with a copy and then we will arrange to dispose of the soil.

If you have any questions, please contact me at 505/831-7763

Thank you for your assistance on this matter.

R. Duarte

attachments

Attachment
No. 1

El Paso
Natural Gas Company

3801 ATRISCO, N. W.
ALBUQUERQUE, NEW MEX.
PHONE: 505-831-7700

October 12, 1995

Debbie McBride, Environmental Specialist
Navajo Nation -- Environmental Protection Administration
Hazardous Waste Program
P. O. Box 339
Window Rock, Arizona 86515

Certified Mail
Return Receipt Requested
P 428 849 779

**Re: Request for Approval to Dispose Oily Dirt from El Paso Natural Gas
Company's ("EPNG") Window Rock Station, St. Michaels, Arizona.**

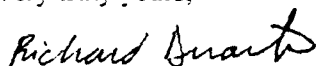
Dear Ms. McBride:

During the Navajo EPA's June 7, 1995, inspection at the subject site, a used oil spill was discovered next to the oil-water separator. You requested that the oily dirt be remediated. EPNG cleaned this site on June 28 and the soil sample results were finally received. No hazardous waste characteristics are revealed. Thus, EPNG respectfully requests your approval to remove approximately thirteen cubic yards of soil from this site and dispose it at Envirotech's soil remediation site near Farmington, NM. This landfarm facility is approved by the New Mexico Oil Conservation Division (NMOCD).

The NMOCD does not, however, allow Envirotech to accept oily dirt (non-hazardous) generated inside the Navajo Nation without first acquiring approval from the Navajo EPA. Further disposal action will be taken upon receipt of your determination. The analytical results are enclosed for your review.

Thank you for your consideration of this request. If you have any questions, please feel free to contact me at 505/831-7763.

Very truly yours,



Richard Duarte
Sr. Environmental Engineer

Enclosure (analytical results)

Window Rock Station -- Request for Approval
Ms. D. McBride, Navajo EPA
10/12/95
Page 2

Copies with enclosure sent to:

Ms. Arlene Luther, Environmental Specialist
Navajo Nation -- Environmental Protection Admin.
P. O. Box 339
Window Rock, Arizona 86515

Ms. Diane C. Bodine, Compliance & Enforcement Officer
US Environmental Protection Agency, Region IX
Hazardous Waste Management Division
75 Hawthorne Street (Code H-4-3)
San Francisco, California 94105

Don W. Campbell, Superintendent
El Paso Natural Gas Company
Window Rock Station

Window Rock Station -- Request for Approval
Ms. D. McBride, Navajo EPA
10/12/95
Page 3

BC (with enclosure): Marsha R. Conley
Thomas D. Hutchins
Henry Van
Jamy B. Ward

✓ File: Window Rock Station -- Solid Waste

BC (without enclosure): Charles B. O'Nan *
Tony Hubbell
R. Duarte's Chron.

* denotes sent via MS Mail

SAMPLE KEY

SAMPLE NUMBER: F95-0128 LOCATION: WINDOW ROCK STATION

MATRIX: SOIL

SAMPLE DESCRIPTION: COMPOSITE SOIL REMOVED FROM AROUND O/W SEPARATOR

S D CONTINUED:

S D CONTINUED:

SAMPLE TIME: 16:05 SAMPLE DATE: 07/18/95



Burlington Environmental, Inc. Corporate Laboratory
d/b/a Philip Environmental (Corporate Laboratory)
Washington Accreditation Number C021
955 Powell Avenue SW
Renton WA 98055-2908
TEL (206) 227-6124
FAX (206) 227-6196

Tuesday, 19 Sep 95
El Paso Natural Gas

Job Number:	P.E. Lab Sample Number(s):	Client Sample Number(s):
4697	95-A15230	F950128

Dear Darrel Campbell

We received 1 sample on 29 Aug 95.

The following analysis was performed:

TCLP Metals: 1311, 6010, 7470

Samples were prepared and analyzed according to methods specified on the chain(s) of custody or in the work plan – and within required holding times – unless otherwise noted.

Thank you for the opportunity to be of service.

Sincerely,

A handwritten signature in cursive script, appearing to read "Al Flores-Serrano".

Al Flores-Serrano
Project Manager/Chemist

PHILIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:
El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Project Name: WINDOW ROCK STATION
Report to: Darrell Campbell

Date Received: 8/29/95
Date Sampled: 7/18/95
Date Reported: 9/ 5/95

Laboratory No.: 95-A15230
Sample ID.: F950128

Job Number: 4697

Analyte	Results	Units	Method	Analyst	Date	
TCLP METALS						LIMIT
TCLP Arsenic	< 0.11	mg/L	6010/200.7	EML	9/ 5/95	5.0
TCLP Barium	1.9	mg/L	6010/200.7	EML	9/ 5/95	100
TCLP Cadmium	< 0.006	mg/L	6010/200.7	EML	9/ 5/95	1.0
TCLP Chromium	< 0.011	mg/L	6010/200.7	EML	9/ 5/95	5.0
TCLP Lead	< 0.11	mg/L	6010/200.7	EML	9/ 5/95	5.0
TCLP Mercury	< 0.057	mg/L	6010	EML	9/ 5/95	0.20
TCLP Selenium	< 0.34	mg/L	6010/200.7	EML	9/ 5/95	1.0
TCLP Silver	< 0.011	mg/L	6010/200.7	EML	9/ 5/95	5.0

Method 1311 Date Extracted: 9/ 5/95 Sample Wt.: 100. grams

Reviewed By :

AC Flores

9/ 6/95

CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT NUMBER PROJECT NAME

SAMPLERS: (Signature)

DATE:

REQUESTED ANALYSIS

CONTRACT LABORATORY P. O. NUMBER

LAB ID DATE TIME MATRIX SAMPLE NUMBER

TOTAL NUMBER
OF CONTAINERS

COMPOSITE OR
GRAB

TELP
2/16/15

REMARKS

1 ; 5 2

C

A15 0

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

24 3

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature)

2 55 12: 5

DATE/TIME

RECEIVED BY: (Signature)

10:00

RELINQUISHED BY: (Signature)

DATE/TIME

RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:

☐ ROUTINE ☐ RUSH

CARRIER CO.

SAMPLE RECEIPT REMARKS

RESULTS & INVOICES TO:

BILL NO.:

CHARGE CODE

TRANSMISSION OPERATIONS LABORATORY
EL PASO NATURAL GAS COMPANY
8645 RAILROAD DRIVE
EL PASO, TEXAS 79904

915-759-2229 FAX: 915-759-2335

#4697



Burlington Environmental, Inc. Corporate Laboratory
d/b/a Philip Environmental (Corporate Laboratory)
Washington Accreditation Number C021
955 Powell Avenue SW
Renton WA 98055-2908
TEL (206) 227-6124
FAX (206) 227-6196

Friday, 22 Sep 95
El Paso Natural Gas

Job Number:	P.E. Lab Sample Number(s):	Client Sample Number(s):
4164	95-A12628	F950128

Dear Darrel Campbell

We received 1 sample on 21 Jul 95.

The following analyses were performed:

TPH (Heavy Oil Range): 418.1

PCB: 8080

Volatile Organic Compounds (VOC): 8260

Semi-Volatile Organic Compounds (SVOC): 8270

Samples were prepared and analyzed according to methods specified on the chain(s) of custody or in the work plan -- and within required holding times -- unless otherwise noted.

Thank you for the opportunity to be of service.

Sincerely,

A handwritten signature in cursive script, appearing to read "Al Flores-Serrano".

Al Flores-Serrano Stan Mello
Project Manager/Chemist

PILLIP ENVIRONMENTAL INC.
CORPORATE LABORATORY
ANALYTICAL REPORT

Client:

El Paso Natural Gas Co.
Transmission Operations Lab
8645 Railroad Drive
El Paso, TX
79904

Project Name: EPNG/WINDOW ROCK
Report to: Darrell Campbell

Date Received: 7/21/95
Date Sampled: 7/18/95
Date Reported: 8/10/95

Laboratory No.: 95-A12628
Sample ID.: F950128

Job Number: 4164

Analyte	Results	Units	Method	Analyst	Date									
ORGANICS														
TPH 418.1	1500	MG/KG	TPH418.1	SM	7/31/95									
Sample Preparation														
WTPH 418.1 Extraction				SM	7/31/95									
NOTE! ORGANIC RESULTS ARE ON AN "AS RECEIVED" BASIS.														
PCBs														
Aroclor-1016	< 0.87	MG/KG	8081	RHP	8/10/95									
Aroclor-1221	< 0.87	MG/KG	8081	RHP	8/10/95									
Aroclor-1232	< 0.87	MG/KG	8081	RHP	8/10/95									
Aroclor-1242	< 0.87	MG/KG	8081	RHP	8/10/95									
Aroclor-1248	< 0.87	MG/KG	8081	RHP	8/10/95									
Aroclor-1254	< 0.87	MG/KG	8081	RHP	8/10/95									
Aroclor-1260	< 0.87	MG/KG	8081	RHP	8/10/95									
PCB Extraction					8/10/95									
<table><tr><td><u>Surrogates</u></td><td><u>% Recovery</u></td><td><u>Limits</u></td></tr><tr><td>Tetrachloro-m-xylene</td><td>106.7</td><td>50.0-150.0</td></tr><tr><td>Decachlorobiphenyl</td><td>100.1</td><td>50.0-150.0</td></tr></table>						<u>Surrogates</u>	<u>% Recovery</u>	<u>Limits</u>	Tetrachloro-m-xylene	106.7	50.0-150.0	Decachlorobiphenyl	100.1	50.0-150.0
<u>Surrogates</u>	<u>% Recovery</u>	<u>Limits</u>												
Tetrachloro-m-xylene	106.7	50.0-150.0												
Decachlorobiphenyl	100.1	50.0-150.0												
Volatile Organics	See Attached Report.			KL	8/ 4/95									
Semi-Volatile Organics	See Attached Report.			KL	8/ 4/95									

Reviewed By :

8/10/95

BURLINGTON ENVIRONMENTAL INC. -CORPORATE LABORATORY

EPA Method 624/8260

SAMPLE:	F950128	ANALYZED:	07/25/95	SURR. REC%
GCMS FILE:	072513.D	RECEIVED:	07/21/95	SS1 = 120
LAB ID:	95a12628	ANALYST:	Backer	SS2 = 87
DIL. FAC:	5	STD ID:	072102.D	SS3 = 87
G SAMP:	1.0 g			

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/KG PPB (FLAGS)
75-71-8	Dichlorodifluoromethane	5	ND
74-87-3	Chloromethane	5	ND
75-01-4	Vinyl chloride	5	ND
74-83-9	Bromomethane	5	ND
75-00-3	Chloroethane	5	ND
75-69-4	Trichlorofluoromethane	5	ND
306-83-2	1,1-Dichloro-1,2,2-Trifluoroethane	25	ND
75-35-4	1,1-Dichloroethene	5	ND
76-13-1	1,1,2-Trichlorotrifluoroethane	25	ND
67-64-1	Acetone	25	ND
75-15-0	Carbon Disulfide	5	ND
107-83-5	2-Methylpentane	25	ND
75-09-2	Methylene Chloride	25	ND
96-14-0	3-Methylpentane	25	ND
107-13-1	Acrylonitrile	25	ND
156-60-5	trans-1,2-Dichloroethene	5	ND
75-34-3	1,1-Dichloroethane	5	ND
108-05-4	Vinyl Acetate	5	ND
96-37-7	Methylcyclopentane	5	ND
107-02-8	Acrolin	100	ND
594-20-7	2,2-Dichloropropane	5	ND
156-59-2	cis-1,2-Dichloroethene	5	ND
78-93-3	2-Butanone (MEK)	25	ND
74-97-5	Bromochloromethane	5	ND
67-66-3	Chloroform	5	ND
71-55-6	1,1,1-Trichloroethane	5	ND
563-58-6	1,1-Dichloropropene	5	ND
56-23-5	Carbon Tetrachloride	5	ND
107-06-2	1,2-Dichloroethane	5	ND
71-43-2	Benzene	5	ND
79-01-6	Trichloroethene	10	ND
78-87-5	1,2-Dichloropropane	5	ND
74-95-3	Dibromomethane	5	ND
75-27-4	Bromodichloromethane	5	ND
110-75-8	2-Chlorethyl vinyl ether	5	ND
10061-01-5	cis-1,3-Dichloropropene	5	ND
108-10-1	4-Methyl-2-Pentanone (MIBK)	25	ND
108-88-3	Toluene	10	ND
96-18-4	1,2,3-Trichloropropane	5	ND
10061-02-6	Trans-1,3-Dichloropropene	5	ND
79-00-5	1,1,2-Trichloroethane	5	ND
142-28-9	1,3-Dichloropropane	5	ND
127-18-4	Tetrachloroethene	5	ND

BURLINGTON ENVIRONMENTAL INC. -CORPORATE LABORATORY

EPA Method 624/8260

SAMPLE:	F950128	ANALYZED:	07/25/95
GCMS FILE:	072513.D	RECEIVED:	07/21/95
LAB ID:	95a12628	ANALYST:	KL
DIL. FAC:	5	STD ID:	072102.D
G SAMP:	1.0 g		

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/KG PPB	(FLAGS)
=====				
591-78-6	2-Hexanone	25	ND	
106-93-4	1,2-Dibromoethane	5	ND	
124-48-1	Dibromochloromethane	5	ND	
630-20-6	1,1,1,2-Tetrachloroethane	15	ND	
108-90-7	Chlorobenzene	5	ND	
100-41-4	Ethylbenzene	5	ND	
108-38-3	m-Xylene	5	6	
106-42-3	p-Xylene	5	6	
95-47-6	o-Xylene	5	ND	
100-42-5	Styrene	5	ND	
75-25-2	Bromoform	5	ND	
98-32-8	Isopropylbenzene	5	ND	
79-34-5	1,1,2,2-Tetrachloroethane	15	ND	
108-86-1	Bromobenzene	5	ND	
103-65-1	n-propylbenzene	5	ND	
108-67-8	1,3,5-Trimethylbenzene	5	11	
95-49-8	2-Chlorotoluene	5	ND	
106-43-4	4-Chlorotoluene	5	ND	
98-06-6	tert-Butylbenzene	5	ND	
95-63-6	1,2,4-Trimethylbenzene	5	31	
135-98-8	sec-Butylbenzene	5	ND	
541-73-1	1,3-Dichlorobenzene	5	ND	
106-46-7	1,4-Dichlorobenzene	5	ND	
104-51-8	n-Butylbenzene	5	ND	
99-87-6	p-Isopropyltoluene	5	ND	
95-50-1	1,2-Dichlorobenzene	5	ND	
96-12-8	1,2-Dibromo-3-chloropropane	25	ND	
120-82-1	1,2,4-Trichlorobenzene	5	ND	
87-68-3	Hexachlorobutadiene	5	ND	
91-20-3	Naphthalene	25	30	
87-61-6	1,2,3-Trichlorobenzene	5	ND	

ND = NOT DETECTED AT DETECTION LIMIT; B = IN BLANK; J = DETECTED BELOW DL.
 E = THE CONCENTRATION OF THIS ANALYTE EXCEEDED THE INSTRUMENT CALIBRATION RANGE.

Philip Environmental Corporate Laboratory

EPA Method 625/8270

SAMPLE: F950128
 GCMS FILE: 0801016.D
 LAB ID: 95A12628
 DIL. FAC: 1
 G SAMP: 30g

ANALYZED: 08/01/95
 RECEIVED: 07/20/95
 EXTRACTED: 07/24/95
 ANALYST: Luna

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/KG PP (FLAGS)
62-53-3	Aniline	167	ND
111-44-4	bis(2-Chloroethyl)ether	33	ND
108-95-2	Phenol	33	ND
95-57-8	2-Chlorophenol	33	ND
541-73-1	1,3-Dichlorobenzene	33	ND
106-46-7	1,4-Dichlorobenzene	33	ND
95-50-1	1,2-Dichlorobenzene	33	ND
100-51-6	Benzyl alcohol	67	ND
108-60-1	bis(2-chloroisopropyl)ether	33	ND
95-48-7	2-Methylphenol	33	ND
67-72-1	Hexachloroethane	33	ND
621-64-7	N-Nitroso-di-n-propylamine	33	ND
106-44-5	4-Methylphenol	33	ND
98-95-3	Nitrobenzene	33	ND
78-59-1	Isophorone	33	ND
88-75-5	2-Nitrophenol	33	ND
105-67-9	2,4-Dimethylphenol	33	ND
111-91-1	bis(2-Chloroethoxy)methane	33	ND
120-83-2	2,4-Dichlorophenol	33	ND
120-82-1	1,2,4-Trichlorobenzene	33	ND
91-20-3	Naphthalene	33	ND
106-47-8	4-Chloroaniline	67	ND
87-68-3	Hexachlorobutadiene	33	ND
59-50-7	4-Chloro-3-methylphenol	67	ND
91-57-6	2-Methylnaphthalene	33	ND
77-47-4	Hexachlorocyclopentadiene	33	ND
88-06-2	2,4,6-Trichlorophenol	33	ND
95-95-4	2,4,5-Trichlorophenol	33	ND
91-58-7	2-Chloronaphthalene	33	ND
88-74-4	2-Nitroaniline	67	ND
208-96-8	Acenaphthylene	33	ND
131-11-3	Dimethylphthalate	33	ND
606-20-2	2,6-Dinitrotoluene	33	ND
83-32-9	Acenaphthene	33	ND
99-09-2	3-Nitroaniline	167	ND
51-28-5	2,4-Dinitrophenol	167	ND
132-64-9	Dibenzofuran	167	ND
121-14-2	2,4-Dinitrotoluene	33	ND
100-02-7	4-Nitrophenol	33	ND
86-73-7	Fluorene	33	ND
7005-72-3	4-Chlorophenyl-phenylether	33	ND
84-66-2	Diethylphthalate	33	ND
100-01-6	4-Nitroaniline	167	ND

Philip Environmental Corporate Laboratory

EPA Method 625/8270

SAMPLE: F950128
GCMS FILE: 0801016.D
LAB ID: 95A12628
DIL. FAC: 1
G SAMP: 30g

ANALYZED: 08/01/95
RECEIVED: 07/20/95
EXTRACTED: 07/24/95
ANALYST: Luna

CAS NO.	COMPOUND	DETECTION LIMIT PPB	SAMPLE UG/KG PP	(FLAGS)
534-52-1	4,6-Dinitro-2-methylphenol	167		ND
86-30-6	n-Nitrosodiphenylamine	33		ND
	Azobenzene	33		ND
101-55-3	4-Bromophenyl-phenylether	33		ND
118-74-1	Hexachlorobenzene	33		ND
87-86-5	Pentachlorophenol	167		ND
85-01-8	Phenanthrene	33		ND
120-12-7	Anthracene	33		ND
84-74-2	Di-n-butylphthalate	33		ND
206-44-0	Fluoranthene	33		ND
92-87-5	Benzydine	33		ND
129-00-0	Pyrene	33		ND
85-68-7	Butylbenzylphthalate	33		ND
91-94-1	3,3'-Dichlorobenzidine	33		ND
56-55-3	Benzo[a]anthracene	67		ND
218-01-9	Chrysene	33		ND
117-81-7	bis(2-Ethylhexyl)phthalate	167	180	
117-84-0	Di-n-octylphthalate	33		ND
205-99-2	Benzo[b]fluoranthene	33		ND
207-08-9	Benzo[k]fluoranthene	33		ND
50-32-8	Benzo[a]pyrene	33		ND
193-39-5	Indeno[1,2,3-cd]pyrene	33		ND
53-70-3	Dibenz[a,h]anthracene	33		ND
191-24-2	Benzo[g,h,i]perylene	33		ND

Surrogate Standard Recoveries (%):

2-Fluorophenol	1 *
Phenol-d5	7 *
Nitrobenzene-d5	77
2-Fluorobiphenyl	63
2,4,6-Tribromophenol	0 *
Terphenyl-d14	48

* Surrogate % recoveries outside of control limits due to sample matrix interference.

ND = Not detected at detection limit; B = In blank; J = Detected below DL.

E= The concentration of this analyte exceeded the instrument calibration range.

PROJECT NUMBER		PROJECT NAME <i>EPNG/Window Rock</i>				TOTAL NUMBER OF CONTAINERS	COMPOSITE OR GRAB	REQUESTED ANALYSIS					CONTRACT LABORATORY P. O. NUMBER	
SAMPLERS: (Signature) <i>Charles R. Padilla</i>		DATE:						TPH	8240	8270	PCB's	<i>TPH, PCB's, 8144, 8146, 8148, 8150, 8152, 8154, 8156, 8158, 8160, 8162, 8164, 8166, 8168, 8170, 8172, 8174, 8176, 8178, 8180, 8182, 8184, 8186, 8188, 8190, 8192, 8194, 8196, 8198, 8200, 8202, 8204, 8206, 8208, 8210, 8212, 8214, 8216, 8218, 8220, 8222, 8224, 8226, 8228, 8230, 8232, 8234, 8236, 8238, 8240, 8242, 8244, 8246, 8248, 8250, 8252, 8254, 8256, 8258, 8260, 8262, 8264, 8266, 8268, 8270, 8272, 8274, 8276, 8278, 8280, 8282, 8284, 8286, 8288, 8290, 8292, 8294, 8296, 8298, 8300, 8302, 8304, 8306, 8308, 8310, 8312, 8314, 8316, 8318, 8320, 8322, 8324, 8326, 8328, 8330, 8332, 8334, 8336, 8338, 8340, 8342, 8344, 8346, 8348, 8350, 8352, 8354, 8356, 8358, 8360, 8362, 8364, 8366, 8368, 8370, 8372, 8374, 8376, 8378, 8380, 8382, 8384, 8386, 8388, 8390, 8392, 8394, 8396, 8398, 8400, 8402, 8404, 8406, 8408, 8410, 8412, 8414, 8416, 8418, 8420, 8422, 8424, 8426, 8428, 8430, 8432, 8434, 8436, 8438, 8440, 8442, 8444, 8446, 8448, 8450, 8452, 8454, 8456, 8458, 8460, 8462, 8464, 8466, 8468, 8470, 8472, 8474, 8476, 8478, 8480, 8482, 8484, 8486, 8488, 8490, 8492, 8494, 8496, 8498, 8500, 8502, 8504, 8506, 8508, 8510, 8512, 8514, 8516, 8518, 8520, 8522, 8524, 8526, 8528, 8530, 8532, 8534, 8536, 8538, 8540, 8542, 8544, 8546, 8548, 8550, 8552, 8554, 8556, 8558, 8560, 8562, 8564, 8566, 8568, 8570, 8572, 8574, 8576, 8578, 8580, 8582, 8584, 8586, 8588, 8590, 8592, 8594, 8596, 8598, 8600, 8602, 8604, 8606, 8608, 8610, 8612, 8614, 8616, 8618, 8620, 8622, 8624, 8626, 8628, 8630, 8632, 8634, 8636, 8638, 8640, 8642, 8644, 8646, 8648, 8650, 8652, 8654, 8656, 8658, 8660, 8662, 8664, 8666, 8668, 8670, 8672, 8674, 8676, 8678, 8680, 8682, 8684, 8686, 8688, 8690, 8692, 8694, 8696, 8698, 8700, 8702, 8704, 8706, 8708, 8710, 8712, 8714, 8716, 8718, 8720, 8722, 8724, 8726, 8728, 8730, 8732, 8734, 8736, 8738, 8740, 8742, 8744, 8746, 8748, 8750, 8752, 8754, 8756, 8758, 8760, 8762, 8764, 8766, 8768, 8770, 8772, 8774, 8776, 8778, 8780, 8782, 8784, 8786, 8788, 8790, 8792, 8794, 8796, 8798, 8800, 8802, 8804, 8806, 8808, 8810, 8812, 8814, 8816, 8818, 8820, 8822, 8824, 8826, 8828, 8830, 8832, 8834, 8836, 8838, 8840, 8842, 8844, 8846, 8848, 8850, 8852, 8854, 8856, 8858, 8860, 8862, 8864, 8866, 8868, 8870, 8872, 8874, 8876, 8878, 8880, 8882, 8884, 8886, 8888, 8890, 8892, 8894, 8896, 8898, 8900, 8902, 8904, 8906, 8908, 8910, 8912, 8914, 8916, 8918, 8920, 8922, 8924, 8926, 8928, 8930, 8932, 8934, 8936, 8938, 8940, 8942, 8944, 8946, 8948, 8950, 8952, 8954, 8956, 8958, 8960, 8962, 8964, 8966, 8968, 8970, 8972, 8974, 8976, 8978, 8980, 8982, 8984, 8986, 8988, 8990, 8992, 8994, 8996, 8998, 9000, 9002, 9004, 9006, 9008, 9010, 9012, 9014, 9016, 9018, 9020, 9022, 9024, 9026, 9028, 9030, 9032, 9034, 9036, 9038, 9040, 9042, 9044, 9046, 9048, 9050, 9052, 9054, 9056, 9058, 9060, 9062, 9064, 9066, 9068, 9070, 9072, 9074, 9076, 9078, 9080, 9082, 9084, 9086, 9088, 9090, 9092, 9094, 9096, 9098, 9100, 9102, 9104, 9106, 9108, 9110, 9112, 9114, 9116, 9118, 9120, 9122, 9124, 9126, 9128, 9130, 9132, 9134, 9136, 9138, 9140, 9142, 9144, 9146, 9148, 9150, 9152, 9154, 9156, 9158, 9160, 9162, 9164, 9166, 9168, 9170, 9172, 9174, 9176, 9178, 9180, 9182, 9184, 9186, 9188, 9190, 9192, 9194, 9196, 9198, 9200, 9202, 9204, 9206, 9208, 9210, 9212, 9214, 9216, 9218, 9220, 9222, 9224, 9226, 9228, 9230, 9232, 9234, 9236, 9238, 9240, 9242, 9244, 9246, 9248, 9250, 9252, 9254, 9256, 9258, 9260, 9262, 9264, 9266, 9268, 9270, 9272, 9274, 9276, 9278, 9280, 9282, 9284, 9286, 9288, 9290, 9292, 9294, 9296, 9298, 9300, 9302, 9304, 9306, 9308, 9310, 9312, 9314, 9316, 9318, 9320, 9322, 9324, 9326, 9328, 9330, 9332, 9334, 9336, 9338, 9340, 9342, 9344, 9346, 9348, 9350, 9352, 9354, 9356, 9358, 9360, 9362, 9364, 9366, 9368, 9370, 9372, 9374, 9376, 9378, 9380, 9382, 9384, 9386, 9388, 9390, 9392, 9394, 9396, 9398, 9400, 9402, 9404, 9406, 9408, 9410, 9412, 9414, 9416, 9418, 9420, 9422, 9424, 9426, 9428, 9430, 9432, 9434, 9436, 9438, 9440, 9442, 9444, 9446, 9448, 9450, 9452, 9454, 9456, 9458, 9460, 9462, 9464, 9466, 9468, 9470, 9472, 9474, 9476, 9478, 9480, 9482, 9484, 9486, 9488, 9490, 9492, 9494, 9496, 9498, 9500, 9502, 9504, 9506, 9508, 9510, 9512, 9514, 9516, 9518, 9520, 9522, 9524, 9526, 9528, 9530, 9532, 9534, 9536, 9538, 9540, 9542, 9544, 9546, 9548, 9550, 9552, 9554, 9556, 9558, 9560, 9562, 9564, 9566, 9568, 9570, 9572, 9574, 9576, 9578, 9580, 9582, 9584, 9586, 9588, 9590, 9592, 9594, 9596, 9598, 9600, 9602, 9604, 9606, 9608, 9610, 9612, 9614, 9616, 9618, 9620, 9622, 9624, 9626, 9628, 9630, 9632, 9634, 9636, 9638, 9640, 9642, 9644, 9646, 9648, 9650, 9652, 9654, 9656, 9658, 9660, 9662, 9664, 9666, 9668, 9670, 9672, 9674, 9676, 9678, 9680, 9682, 9684, 9686, 9688, 9690, 9692, 9694, 9696, 9698, 9700, 9702, 9704, 9706, 9708, 9710, 9712, 9714, 9716, 9718, 9720, 9722, 9724, 9726, 9728, 9730, 9732, 9734, 9736, 9738, 9740, 9742, 9744, 9746, 9748, 9750, 9752, 9754, 9756, 9758, 9760, 9762, 9764, 9766, 9768, 9770, 9772, 9774, 9776, 9778, 9780, 9782, 9784, 9786, 9788, 9790, 9792, 9794, 9796, 9798, 9800, 9802, 9804, 9806, 9808, 9810, 9812, 9814, 9816, 9818, 9820, 9822, 9824, 9826, 9828, 9830, 9832, 9834, 9836, 9838, 9840, 9842, 9844, 9846, 9848, 9850, 9852, 9854, 9856, 9858, 9860, 9862, 9864, 9866, 9868, 9870, 9872, 9874, 9876, 9878, 9880, 9882, 9884, 9886, 9888, 9890, 9892, 9894, 9896, 9898, 9900, 9902, 9904, 9906, 9908, 9910, 9912, 9914, 9916, 9918, 9920, 9922, 9924, 9926, 9928, 9930, 9932, 9934, 9936, 9938, 9940, 9942, 9944, 9946, 9948, 9950, 9952, 9954, 9956, 9958, 9960, 9962, 9964, 9966, 9968, 9970, 9972, 9974, 9976, 9978, 9980, 9982, 9984, 9986, 9988, 9990, 9992, 9994, 9996, 9998, 10000</i>	REMARKS <i>95-A12628</i>	
RELINQUISHED BY: (Signature) <i>Charles R. Padilla</i>	DATE/TIME <i>7-20-95 1445</i>	RECEIVED BY: (Signature) <i>A Rem</i>	DATE/TIME <i>7-21-95 13:23</i>	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)								
REQUESTED TURNAROUND TIME: ☐ ROUTINE ☐ RUSH	CARRIER CO.	SAMPLE RECEIPT REMARKS		RESULTS & INVOICES TO:										
BILL NO.:	CHARGE CODE <i>95J010944-0119-0429</i>	TRANSMISSION OPERATIONS LABORATORY EL PASO NATURAL GAS COMPANY 8645 RAILROAD DRIVE EL PASO, TEXAS 79904 915-759-2229 FAX: 915-759-2335												



THE NAVAJO NATION

P.O. DRAWER 9000 • WINDOW ROCK, ARIZONA 86515 • (520) 871-6352-55

ALBERT A. HALE
PRESIDENT

November 6, 1995

THOMAS E. ATCITTY
VICE PRESIDENT

Richard Duarte, Sr. Environmental Engineer
El Paso Natural Gas Company
3601 Alrisco, N.W.
Albuquerque, New Mexico 87120

Dear Mr. Duarte,

The Navajo Nation Environmental Protection Agency (NNEPA) is granting approval to the generator, El Paso Natural Gas Company - Window Rock Station, St. Michaels, Arizona, to have the contaminated oily soil disposed of at Envirotech's soil remediation site for landfarming under the following conditions:

- Based on the generator's analytical results, the contaminated soil does not meet the Resource Conservation & Recovery Act (RCRA) regulatory limits. However, NNEPA does not certify the contaminated soil exempt from RCRA. The generator remains responsible for this certification and shall provide Envirotech with the proper soil sample results revealing that the contaminated soil is non-hazardous.
- NNEPA does not certify the transportation of the contaminated soil removed off the lands of the Navajo Nation to the ultimate destination for proper disposal. The generator remains responsible for this certification.
- The generator shall provide NNEPA with the following documentation within 90 days after the disposal of the contaminated soil:
 - a. A copy of the generators certification indicating the status of the contaminated soil.
 - b. A copy of the transporter(s) certification to ensure that the contaminated soil was delivered to the disposal site without any discrepancies.
 - c. A copy of the disposal certification granting receipt of the contaminated soil by the facility authorized to accept exempt RCRA waste.

The generator shall adhere to the above stipulations setforth by NNEPA. If you have any questions, please contact my staff Debbie McBride, Environmental Specialist, at 520/729-4146. Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink, appearing to read "LJB. JM", is written over the name Lorenda Joe.

Lorenda Joe, Acting Division Director
Environmental Protection Agency

cc: Debbie McBride, Environmental Specialist, NNEPA/RCRA Program
Diane Bodine, Compliance & Enforcement Officer, USEPA, Region IX, San Francisco, CA
Don W. Campbell, Superintendent, El Paso Natural Gas Company, Window Rock Station

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECORD OF COMMUNICATION

JOB NUMBER: 96003-02

TO: Dennis Foust

FROM: HARLAN H. BROWN

DATE: 4-25-96

TIME: 15105

PHONE NUMBER: 320-0200

TYPE OF CONTACT: Phone
EPFS

SUBJECT: Window Rock Compressor Station - 1/2 bag mixed waste

NOTES: Report to D.F. that Field Hand @ W.R.C.S. loaded 20 1/2 bags of "Petroleum Hydrocarbon" contaminated soil. Delivered to LF #2

Crew ~~has~~ unloaded bags and dumped. On 4-24-96 Richard Duarte called to report that he was missing 1/2 bag of mixed waste (Asbestos & Mercury) from W. works. Asked if we had it. 4-26-96 RMY went to him to look for different material. Area was cordoned off while we confirmed that this was the suspect material. We called (Sam Rye, Ernest Trujillo, RMY, HMB) Richard Duarte and got approval to clean up suspect material into a drum and sample the background for Asbestos and Mercury. Ernest Trujillo (Asbestos Supervisor) went to L.F.

SUMMARY OF COMMUNICATION: w/ a 55 gal sealable plastic drum and gathered all suspect material into the barrel. The barrel was sealed and held @ the L.F.

Dennis agreed w/ action taken thus far and asked that we call Roger Anderson and brief him on activities to date.

ENVIROTECH INC.

5796 U.S. HIGHWAY 64-3014

FARMINGTON, NM 87401

PHONE: (505) 632-0615 FAX: (505) 632-1865

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECORD OF COMMUNICATION

JOB NUMBER: 96003-02
TO: Roger Anderson
FROM: Andrew H. Brown
DATE: 4-25-96
TIME: 15:08
PHONE NUMBER: 505-827-7152
TYPE OF CONTACT: phone
EPPS
SUBJECT: Window Rock Compressor Station - 1/2 bag mixed waste
NOTES: Briefed RA, (see Dennis Faust) Communication.

SUMMARY OF COMMUNICATION:

Roger wants Mercury and Asbestos analysis.

ENVIROTECH INC.
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NM 87401
PHONE: (505) 632-0615 FAX: (505) 632-1865

P.O. Box 1940
Albuquerque, NM 87101-1940
Tel: (505) 748-1283
Fax: (505) 748-1283
Attn: S. Smith
Albuquerque, NM 88210
Tel: (505) 334-6178
000 Rio Brazos Road
Albuquerque, NM 87410
Tel: (505) 827-7131

Energy

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

CLIENT

Form C-1
Originated 4/18

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒
- Verbal Approval Received: Yes ☐ No ☒
2. Management Facility Destination: Envirotech Soil Remediation
3. Address of Facility Operator: 5796 Hwy. 64-3014 Farmington, NM
4. Generator: Halliburton Energy Services
5. Originating Site: Main Yard Wash
6. Transporter: ENVIROTECH
7. Location of Material (Street Address or ULSTRA): 4109 E. Main St. Santa Fe, NM 87505
8. State: New Mexico
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.
- 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:

Continuation of Wash Bay Solids
TCLP ATTACHED.

LF2
E16-H19

RECEIVED
APR 1 1996
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 26 1996
OIL CON. DIV.
DIST. 3

Estimated Volume: 20-40 cy Known Volume (to be entered by the operator at the end of the haul): 123.36 cy

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent
TITLE: Landfarm Supervisor
DATE: 3-25-96
NAME OR PRINT NAME: Harlan M. Brown
TELEPHONE NO.: 505-632-0615

(This space for State Use)

APPROVED BY: [Signature] TITLE: Geologist DATE: 3/27/96
APPROVED BY: [Signature] TITLE: GEOLOGIST DATE: 3/29/96

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

rm 1
Originated 4/1

Submit
Plus 1
to

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒
Verbal Approval Received: Yes ☐ No ☒
2. Management Facility Destination Envirotech Soil Remediation
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM
4. Generator HALLIBURTON EN
5. Originating Site Main Yard Wlasu
Transporter ENVIROTECH.
6. State New Mexico
4109 E. Main St.
Envirotech
7. Location of Material (Street Address or ULSTR)
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.
- 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:

Continuation of Wash Bay Solids

TCLP ATTACHED.

RECEIVED
MAR 26 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20-40 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 3-25-96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny L. Feunt

TITLE: Geologist

DATE: 3/27/96

APPROVED BY: _____

TITLE: _____

DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: HALLIBURTON ENERGY SERVICES

Source: INAZH BAYS

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for HALLIBURTON
concur with the status of the waste from the subject site.

Name RICK GREENAKER
Title/Agency SERVICE EQUIP. OP.

Address 4109 E. MAIN ST.
FARMINGTON, NM 87402

Signature R. Greenaker

Date MARCH 25, 1996

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Signed RJ Greenaker
Date of TCLP 10-4-95
Name RT GREENAKER
Title/Agency SERVICE EQUIP. DP.
Address 4109 E. MAIN ST.
FARMINGTON, NM
Signature RJ Greenaker
Date 3/25/96

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Lab ID#:	9148	Date Sampled:	10-04-95
Sample Matrix:	Soil	Date Received:	10-04-95
Preservative:	Cool	Date Analyzed:	10-04-95
Condition:	Cool & Intact	Chain of Custody:	4508

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 5.46

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

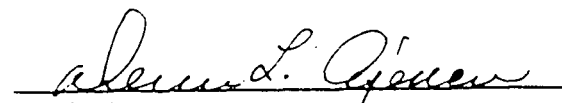
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

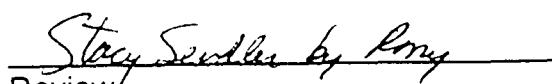
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Analyzed:	10-11-95
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.40	0.01	100
Cadmium	0.011	0.001	1.00
Chromium	0.017	0.001	5.00
Lead	0.343	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

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

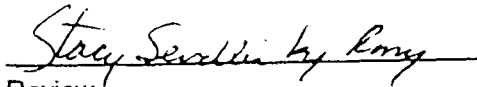
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **4109 E. Main, Farmington, NM.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

ND - Parameter not detected at the stated detection limit.

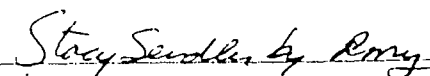
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

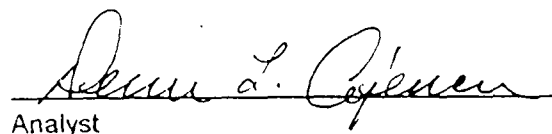
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

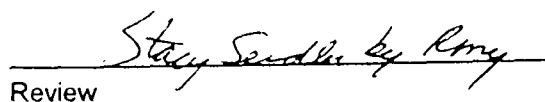
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

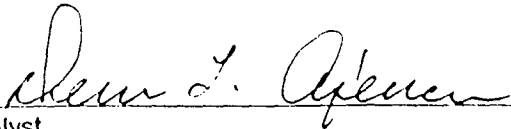
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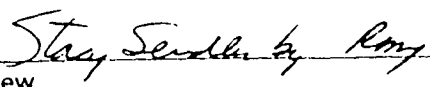
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-06-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	10-06-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

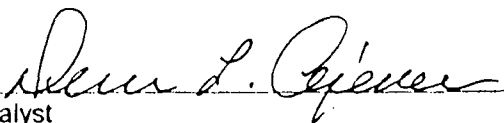
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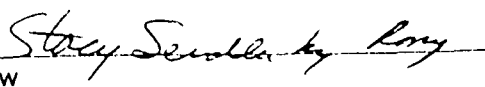
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool and Intact	Date Analyzed:	10-06-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

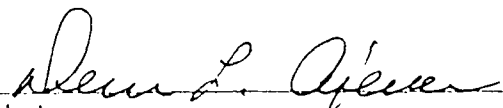
ND - Parameter not detected at the stated detection limit.

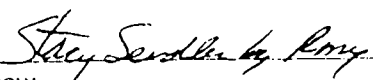
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 9148
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-10-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: 10-04-95
Date Analyzed: 10-06-95
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.024
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

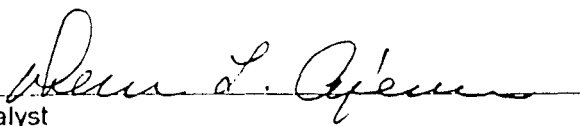
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	10-11-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

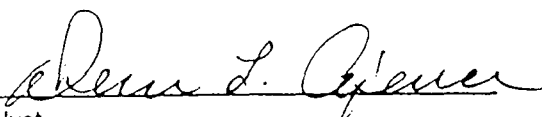
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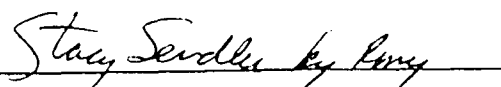
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.40	1.42	1.4%
Cadmium	0.011	0.011	0.0%
Chromium	0.017	0.016	6.1%
Lead	0.343	0.341	0.6%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

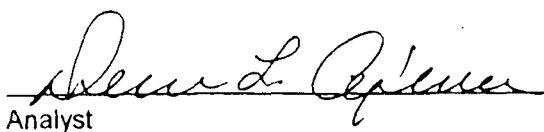
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

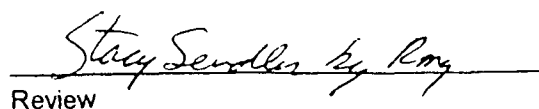
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.099	99%
Barium	1.00	1.40	2.39	100%
Cadmium	0.100	0.011	0.111	100%
Chromium	0.100	0.017	0.117	100%
Lead	0.100	0.343	0.444	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.100	100%
Silver	1.0	ND	0.99	99%

ND - Parameter not detected at the stated detection limit.

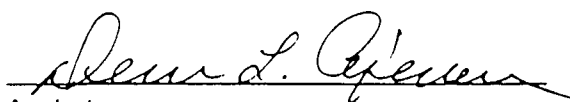
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

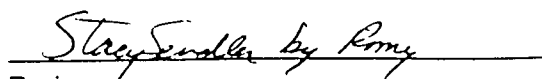
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

ND - Parameter not detected at the stated detection limit.

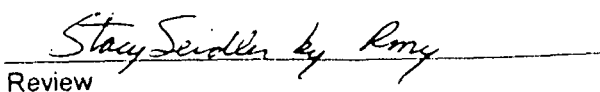
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-06-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

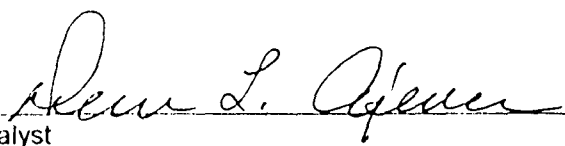
ND - Parameter not detected at the stated detection limit.

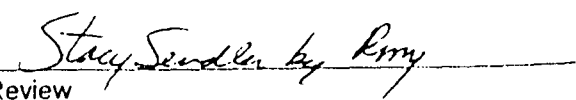
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

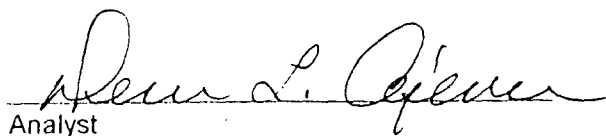
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

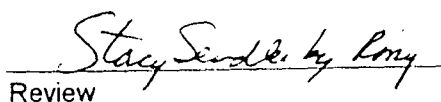
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

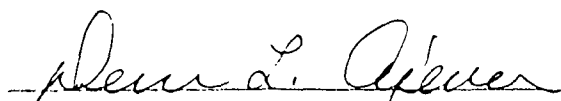
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

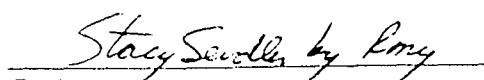
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0194	0.0002	94%	28-163
1,1-Dichloroethene	ND	0.020	0.0204	0.0002	100%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0001	98%	47-132
Chloroform	ND	0.020	0.0202	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0199	0.0001	98%	43-143
Benzene	ND	0.020	0.0196	0.0001	98%	39-150
1,2-Dichloroethane	ND	0.020	0.0200	0.0001	100%	51-147
Trichloroethene	ND	0.020	0.0202	0.0003	100%	35-146
Tetrachloroethene	ND	0.020	0.0198	0.0002	99%	26-162
Chlorobenzene	ND	0.020	0.0199	0.0001	98%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0199	0.0001	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-09-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-09-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	99 %

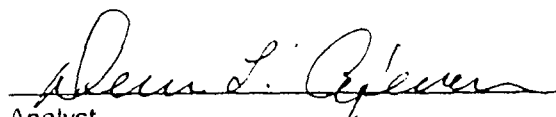
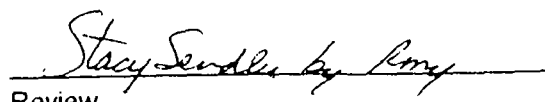
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst
Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

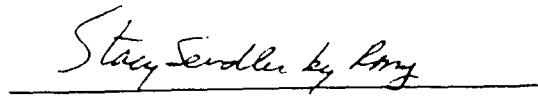
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.021	0.0%
2,4,5-Trichlorophenol	ND	ND	0.021	0.0%
Pentachlorophenol	ND	ND	0.160	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

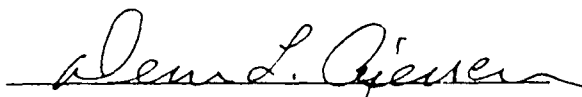
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

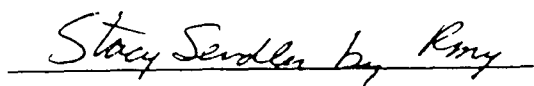
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Halliburton</i>			Project Location <i>4109 E Main fmt. N.M.</i>		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>[Signature]</i>			Chain of Custody Tape No. <i>92132</i>		No. of Containers <i>1</i>	<i>✓</i> TCK Pw/10 PPH	<i>✓</i> RCAA					Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>Wash bay Solids</i>	<i>10/4/95</i>	<i>11:15</i>	<i>9148</i>	<i>Soil</i>								
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

Box 1940
NM 88210-1980
(505) 748-1283
Box 88210
(505) 334-6178
Rio Brazos Road
NM 87410
(505) 827-7131

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

CLIENT

SECTION

mm 1
Originated 4/1

Submit
Plus 1
to

mm 8 52

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>BAKER Oilfield Tools</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>1732 E. MAIN</u>
Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH, INC.</u>
Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>New Mexico</u>
Location of Material (Street Address or U.S. STR.)	<u>1732 E. MAIN, FARMINGTON, NM</u>

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.
- 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:

Sludge and Soil collected in sump at a wash bay used to clean oilfield tools. Sump sludge and soil cleaned from sump stored on plastic at the site.

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 60 lbs cy

LF2
D15

RECEIVED
MAR 22 1996
OIL CON. DIV.
DIST. 3

RECEIVED
APR 1 1996
OIL CON. DIV.
DIST. 3

NATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 3-21-96
Waste Management Facility Authorized Agent

OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Zent TITLE: Geologist DATE: 3/25/96

APPROVED BY: C. S. Smith TITLE: GEOLOGIST DATE: 3/29/96

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

rm 1
Originated 4/1

Submit Orig
Plus 1 C
to appropriate
District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒ 2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u> 3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u> 7. Location of Material (Street Address or ULSTR)	4. Generator <u>BAKER Oilfield Tools</u> 5. Originating Site <u>1732 E. MAIN</u> 6. Transporter <u>ENVIROTECH, INC.</u> 8. State <u>New Mexico</u> <u>1732 E. MAIN, FARMINGTON, NM</u>
9. <u>Circle One:</u> 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. 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:

Sludge and Soil collected in sump at a wash bay used to clean oilfield tools. Sump sludge and soil cleaned from sump stored on plastic at the site.

RECEIVED
MAR 22 1996

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy
OIL CON. DIV.
DIST. 3

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 3-21-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fent TITLE: Geologist DATE: 3/25/96
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Baker Oil Tools

Source: Sump - For Collection of Residue From Cleaning Oilfield equipment

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Baker Oil Tools
concur with the status of the waste from the subject site.

Name David Dolynick
Title/Agency District Manager
Address 1732 East Main
Farmington N.M. 87401
Signature David Dolynick
Date 3-20-96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Signed

Date of TCLP 6-2-95Name Baker Oil ToolsTitle/Agency District ManagerAddress ~~331~~ 1732 East Main
Farmington N.M.

Signature _____

Date _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Baker Oilfield Tools	Project #:	95029
Sample ID:	Wash Bay Sludge	Date Reported:	06-12-95
Lab ID#:	8554	Date Sampled:	06-02-95
Sample Matrix:	Sludge	Date Received:	06-02-95
Preservative:	Cool	Date Analyzed:	06-02-95
Condition:	Cool & Intact	Chain of Custody:	4237

IGNITABILITY: Did not ignite upon direct contact with flame.

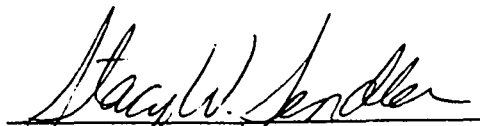
CORROSIVITY: pH of 7.17

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: $\leq$ pH 2 or $\geq$ pH 12.5 is hazardous waste.
2-point composite of small holding tank sludge and wash bay sump.
1732 E. Main, Farmington, NM 87401


Analyst


Reviewed

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS

Client:	Baker Oilfield Tools	Project #:	95029
Sample ID:	Wash Bay Sludge	Date Reported:	06-08-95
Laboratory Number:	8554	Date Sampled:	06-02-95
Chain of Custody:	4237	Date Received:	06-02-95
Sample Matrix:	Soil	Date Extracted:	06-02-95
Preservative:	Cool	Date Analyzed:	06-07-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-Fluorophenol	106 %
	2,4,6-Tribromophenol	94 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

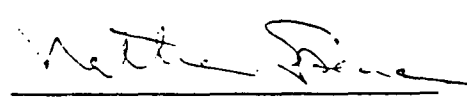
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

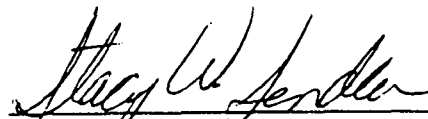
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: 1732 E. Main, Farmington, NM 87401.
2-point composite of small holding tank sludge and
wash bay sump.


Analyst


Reviewer

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Baker Oilfield Tools	Project #:	95029
Sample ID:	Wash Bay Sludge	Date Reported:	06-07-95
Laboratory Number:	8554	Date Sampled:	06-02-95
Chain of Custody:	4237	Date Received:	06-02-95
Sample Matrix:	Soil	Date Extracted:	06-02-95
Preservative:	Cool	Date Analyzed:	06-06-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	0.048	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

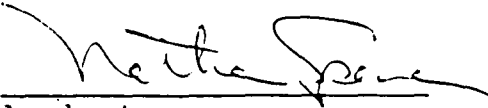
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

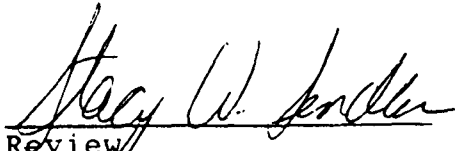
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: 1732 E. Main, Farmington, NM 87401.
2-point composite of small holding tank sludge and
wash bay sump.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Baker Oilfield Tools	Project #:	95029
Sample ID:	Wash Bay Sludge	Date Reported:	06-09-95
Laboratory Number:	8554	Date Sampled:	06-02-95
Chain of Custody:	4237	Date Received:	06-02-95
Sample Matrix:	Sludge	Date Analyzed:	06-09-95
Preservative:	Cool	Date Extracted:	06-02-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.00
BARIUM	0.28	0.01	100
CADMIUM	ND	0.001	1.00
CHROMIUM	ND	0.001	5.00
LEAD	0.300	0.001	5.00
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.00
SILVER	ND	0.001	5.00

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

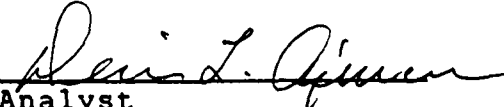
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

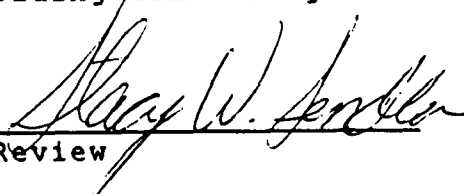
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

Comments: 1732 E. Main, Farmington, NM 87401.
2-point composite of small holding tank sludge and
wash bay sump.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

EPA METHOD 8040
PHENOLS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-08-95
Laboratory Number:	0607TALB	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-07-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	111 %
	2,4,6-tribromophenol	101 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

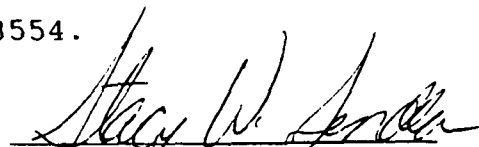
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	06-08-95
Laboratory Number:	0602TAMB	Date Sampled:	N/A
Chain of Custody:	N/A	Date Received:	N/A
Sample Matrix:	Soil	Date Extracted:	06-02-95
Preservative:	Cool	Date Analyzed:	06-07-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-Fluorophenol	101 %
	2,4,6-Tribromophenol	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

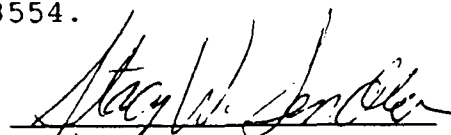
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

** QUALITY ASSURANCE REPORT MATRIX DUPLICATE
EPA METHOD 8040 PHENOLS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-08-95
Laboratory Number:	8554	Date Sampled:	06-02-95
Sample Matrix:	Soil	Date Received:	06-02-95
Preservative:	Cool	Date Extracted:	06-02-95
Condition:	Cool & intact	Date Analyzed:	06-07-95
		Analysis Requested:	TCLP

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
o-Cresol	ND	ND	0.0
p,m-Cresol	ND	ND	0.0
2,4,6-Trichlorophenol	ND	ND	0.0
2,4,5-Trichlorophenol	ND	ND	0.0
Pentachlorophenol	ND	ND	0.0

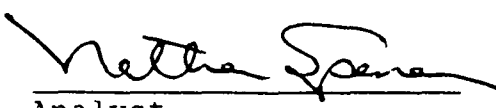
QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

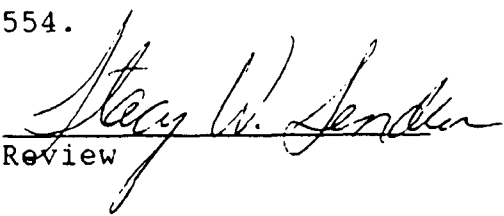
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-07-95
Laboratory Number:	0605BNLB	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	06-06-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

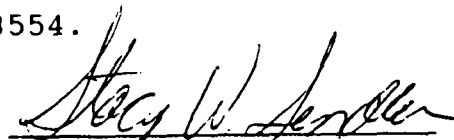
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

EPA METHOD 8090
NITROAROMATICS AND CYCLIC KETONES

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	06-07-95
Laboratory Number:	0602BNMB	Date Sampled:	N/A
Chain of Custody:	N/A	Date Received:	N/A
Sample Matrix:	Soil	Date Extracted:	06-02-95
Preservative:	Cool	Date Analyzed:	06-06-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	97 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

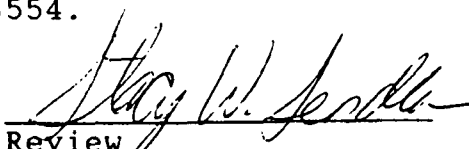
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

**** QUALITY ASSURANCE REPORT MATRIX DUPLICATE**
EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-07-95
Laboratory Number:	8554	Date Sampled:	06-02-95
Sample Matrix:	Soil	Date Received:	06-02-95
Preservative:	Cool	Date Extracted:	06-02-95
Condition:	Cool & intact	Date Analyzed:	06-06-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Pyridine	ND	ND	0.0
Hexachloroethane	0.048	0.049	2.1
Nitrobenzene	ND	ND	0.0
Hexachlorobutadiene	ND	ND	0.0
2,4-Dinitrotoluene	ND	ND	0.0
Hexachlorobenzene	ND	ND	0.0

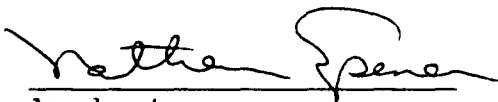
QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

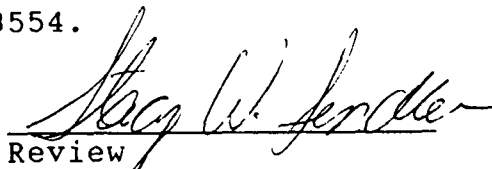
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	Baker Oilfield Tools	Project #:	95029
Sample ID:	Wash Bay Sludge	Date Reported:	06-05-95
Laboratory Number:	8554	Date Sampled:	06-02-95
Chain of Custody:	4237	Date Received:	06-02-95
Sample Matrix:	Sludge	Date Extracted:	06-02-95
Preservative:	Cool	Date Analyzed:	06-05-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.011	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone (MEK)	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

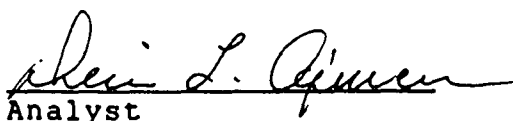
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	103 %
	Bromofluorobenzene	103 %

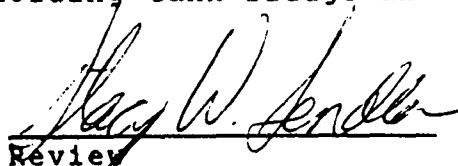
Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

Comments: 1732 E. Main, Farmington, NM 87401.
2-point composite of small holding tank sludge and wash bay sump.


Analyst


Review

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-05-95
Laboratory Number:	06-05-TCV.BLK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-05-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.011	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone (MEK)	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8529 and 8554.

Kevin L. Quinn
Analyst

Wayne W. Jordan
Review

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-05-95
Laboratory Number:	06-02-TCV.MB	Date Sampled:	N/A
Chain of Custody:	N/A	Date Received:	N/A
Sample Matrix:	Soil	Date Extracted:	06-02-95
Preservative:	N/A	Date Analyzed:	06-05-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.011	0.2
1,1-Dichloroethene	ND	0.005	0.7
2-Butanone (MEK)	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

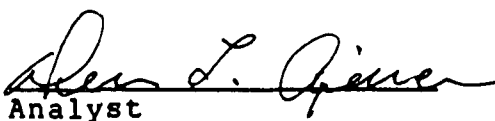
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	106 %
	Bromofluorobenzene	105 %

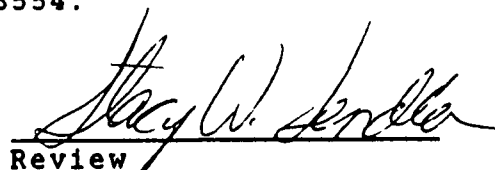
Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

** QUALITY ASSURANCE REPORT MATRIX DUPLICATE

EPA METHOD 8010/8020 AROMATIC VOLATILE/HALOGENATED VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-05-95
Laboratory Number:	8554	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-05-95
Condition:	N/A		

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.011	0.0%
1,1-Dichloroethene	ND	ND	0.005	0.0%
2-Butanone (MEK)	ND	ND	0.005	0.0%
Chloroform	ND	ND	0.005	0.0%
Carbon Tetrachloride	ND	ND	0.005	0.0%
Benzene	ND	ND	0.005	0.0%
1,2-Dichloroethane	ND	ND	0.005	0.0%
Trichloroethene	ND	ND	0.005	0.0%
Tetrachloroethene	ND	ND	0.005	0.0%
Chlorobenzene	ND	ND	0.005	0.0%
1,4-Dichlorobenzene	ND	ND	0.005	0.0%

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

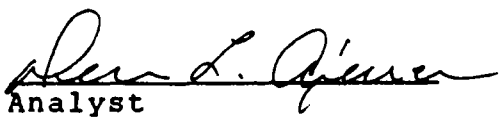
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

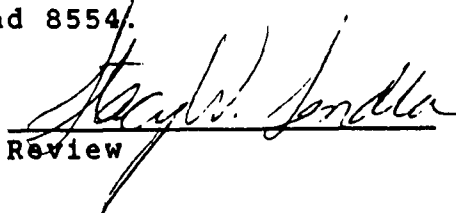
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 8554
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

Project #: N/A
Date Reported: 06-06-95
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06-05-95

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.020	0.011	96	28-163
1,1-Dichloroethene	ND	0.020	0.019	0.005	96	43-143
2-Butanone (MEK)	ND	0.020	0.019	0.005	97	47-132
Chloroform	ND	0.020	0.021	0.005	99	49-133
Carbon Tetrachloride	ND	0.020	0.020	0.005	98	43-143
Benzene	ND	0.020	0.020	0.005	98	39-150
1,2-Dichloroethane	ND	0.020	0.020	0.005	98	51-147
Trichloroethene	ND	0.020	0.020	0.005	99	35-146
Tetrachloroethene	ND	0.020	0.020	0.005	97	26-162
Chlorobenzene	ND	0.020	0.020	0.005	99	38-150
1,4-Dichlorobenzene	ND	0.020	0.021	0.005	98	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

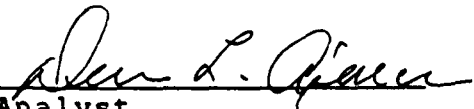
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

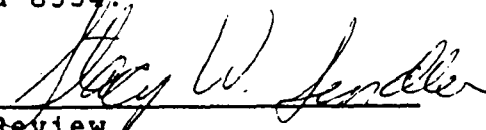
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8529 and 8554.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	06-09-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-09-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.01
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.001

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

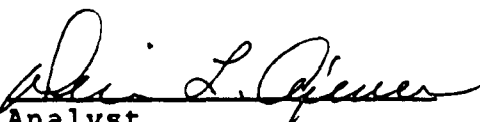
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

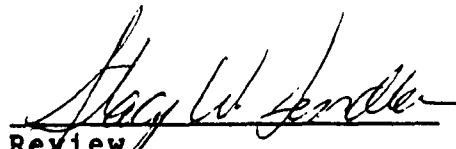
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8554, 8558, 8559.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - DUPLICATE

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-09-95
Laboratory Number:	8554	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	06-09-95
Condition:	N/A	Date Extracted:	06-02-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
ARSENIC	ND	ND	0.0
BARIUM	0.29	0.29	0.0
CADMIUM	ND	ND	0.0
CHROMIUM	ND	ND	0.0
LEAD	0.300	0.284	5.5
MERCURY	ND	ND	0.0
SELENIUM	ND	ND	0.0
SILVER	ND	ND	0.0

QA ACCEPTANCE CRITERIA:	Parameter	Maximum Difference
	Trace Metals	30 %

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

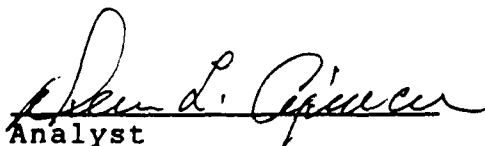
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8554, 8558, 8559.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	06-09-95
Laboratory Number:	8554	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-09-95
Condition:	N/A	Date Extracted:	06-02-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.050	ND	0.050	99
BARIUM	0.50	0.28	0.79	102
CADMIUM	0.100	ND	0.101	101
CHROMIUM	0.100	ND	0.100	100
LEAD	0.100	0.300	0.391	91
MERCURY	0.025	ND	0.024	97
SELENIUM	0.050	ND	0.050	99
SILVER	1.00	ND	0.99	99

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8554, 8558, 8559.

Analyst

Review

CHAIN OF CUSTODY RECORD

Client/Project Name BAKER OILFIELD TOOLS			Project Location 1732 E. MAIN 87401 FARMINGTON, NM 87499		ANALYSIS/PARAMETERS									
Sampler (Signature) <i>Stacy W. Jendle</i>			Chain of Custody Tape No. 95029		No. of Containers 2	TCLP X	No. HERBS/PEST X	RCRA CHAR					Remarks 2-POINT COMPOSITE OF SMALL HOLDING TANK SLUDGE AND WASH BAY SLURP	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
WASH BAY SLUDGE	6/1/95	1050/1100	8554	SLUDGE										
Relinquished by: (Signature) <i>Stacy W. Jendle</i>			Date 6/2/95	Time 1126	Received by: (Signature) <i>Nathan J. Jansen</i>			Date 6/2/95	Time 1126					
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
COMPOSITE BOTH CONTAINERS INTO ONE SAMPLE FOR TCLP ANALYSIS/RCRA CHAR.														
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615														

O. Box 1940
Abbs, NM 88241-1980
Office I (505) 748-1283
Office II (505) 334-6178
Office III (505) 827-7131

Energy A
RECEIVED
96 MAR 26 AM 8 52

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

CLIENT

Form C-13
Originated 4/18/95
Submit Origin
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District Office

92142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator <u>PESCO</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>PESCO yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>PESCO</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>5680 Hwy 64, Farmington, NM 87401</u>	

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.

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:

Material from leaching tanks, separators and Dehydrators.

LF2
E16

RECEIVED
APR - 1 1996
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 22 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 8-10 drums cy Known Volume (to be entered by the operator at the end of the haul) 262.66 cy

SIGNATURE: [Signature] TITLE: Landfarm Supervisor DATE: 3/21/96

Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

This space for State Use)

APPROVED BY: Denny G. Faint TITLE: Geologist DATE: 3/25/96

APPROVED BY: [Signature] TITLE: Geologist DATE: 3/29/96

P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

mm 1
Originated 4/1

Submit
Plus 1
to appropriate
District Office

92142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator <u>PESCO</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>PESCO yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>PESCO</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>5680 Hwy 64, Farmington, NM 87401</u>	
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. 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:

Material from cleaning tanks, separators and Dehydrators.

RECEIVED
MAR 22 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 8-10 drums cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [Signature]
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 3/21/96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: [Signature]

TITLE: Geologist

DATE: 3/25/96

APPROVED BY: _____

TITLE: _____

DATE: _____

ENVIROTECH INC.

92142

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Process Equipment & Service Co.
Source: Cleaning of Tanks, separators and dehydrators
Disposal Location: Envirotech Soil Remediation Facility. (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Process Equipment & Service Co. concur with the status of the waste from the subject site.

Name Blake Wallace
Title/Agency Production Manager
Address 5680 HWY 64
Farmington, NM 87401
Signature Blake Wallace
Date 7-7-96

Office: (505) 393-6161
Box 1940
Albuquerque, NM 87241-1980
Office II: (505) 748-1283
S. First
Albuquerque, NM 88210
Office III: (505) 334-6178
10 Rio Brazos Road
Albuquerque, NM 87410
Office IV: (505) 827-7131

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

CLIENT

Form C-1
Originated 4/18

Submit Original
Plus 1 Copy
to appropriate
District Office

92142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	PESCO 4. Generator
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site PESCO yard
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter PESCO
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State NM
7. Location of Material (Street Address or ULSTR) 5680 Hwy 64, Farmington, NM 87401	
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. 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:

Diesel fuel spill at PESCO's main yard.

M S D S ATTACHED

LF#2
E16

RECEIVED
APR 1 1996

OIL CON. DIV.
DIST. 3

RECEIVED
MAR 22 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 2-3 DRUMS cy Known Volume (to be entered by the operator at the end of the haul) 60 bbls

SIGNATURE: [Signature]
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 3/21/96

NAME OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Jant TITLE: Geologist

DATE: 3/25/96

APPROVED BY: C. S. [Signature] TITLE: GEOLOGIST

DATE: 3/29/96

P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

rm 1
Originated 4/1

Submit Orig.
Plus 1 Cc
to appropriate
District Office

92142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>PESCO</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>PESCO Yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>PESCO</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>5680 Hwy 64, Farmington, NM 87405</u>	
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. 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:

Diesel fuel spill at PESCO's main yard.
MSDS ATTACHED

RECEIVED
MAR 22 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 2-3 drums cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [Signature]
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 3/21/96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount

TITLE: Geologist

DATE: 3/25/96

APPROVED BY: _____

TITLE: _____

DATE: _____

ENVIROTECH INC.**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

92142

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Process Equipment & Service Co.Source: Diesel Fuel SpillDisposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Process Equipment & Service Co concur with the status of the waste from the subject site.

Name Blake Wallace
Title/Agency Production Manager
Address 5680 Hwy 64
Farmington, NM 87401
Signature Blake Wallace
Date 3-7-96

92142

Date October, 1985**MATERIAL SAFETY DATA SHEET**

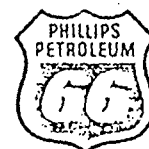
Page 1 of 6

Product Name:

PHILLIPS 66 COMPANY
A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY
Bartlesville, Oklahoma 74004
Emergency Phone Nos.
918-661-3865 (during business)
918-661-8118 (after hours)

**DIESEL
FUEL**

USA AND CANADA



WORLDWIDE

OTHER COUNTRIES

PRODUCT IDENTIFICATION

Synonyms: NE

Chemical Name: Mixture

Chemical Family: Hydrocarbon

Chemical Formula: Mixture

CAS Reg. No: 68476-34-6

Product No: NE

Product and/or Components Entered on EPA's TSCA Inventory: Yes ☒ No ☐**HAZARDOUS COMPONENTS**

Ingredients	CAS Number	% By Wt.	OSHA PEL	ACGIH TLV
Diesel Fuel	68476-34-6	100	NE	NE

4150

MATERIAL SAFETY DATA SHEET

92142

Page 2

PERSONAL PROTECTION INFORMATION

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator.

Eye Protection: Use chemical goggles for splash protection.

Skin Protection: Use impervious gloves. Use protective garments to prevent excessive skin contact.

NOTE: Personal protection information shown above is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

HANDLING AND STORAGE PRECAUTIONS

Avoid inhalation and skin and eye contact. Wear protective equipment and/or garments described above if exposure conditions warrant. Wash hands after handling. Launder contaminated clothing before reuse.

Store in a cool, well-ventilated area away from ignition sources. Provide means of controlling leaks and spills. Bond and ground during liquid transfer. Keep containers closed.

REACTIVITY DATA

Stability: Stable ☒ Unstable ☐

Incompatibility (Materials to Avoid): Oxygen and strong oxidizing materials.

Hazardous Polymerization: Will Not Occur ☒ May Occur ☐

Hazardous Decomposition Products: Carbon oxides and various hydrocarbons formed when burned.

8214

4150

MATERIAL SAFETY DATA SHEET

92142

Page 3 of 6

HEALTH HAZARD DATA

RECOMMENDED EXPOSURE LIMITS: None established.

ACUTE EFFECTS OF OVEREXPOSURE:

EYE: May cause slight irritation.

SKIN: May cause moderate to severe irritation. Repeated skin contact may cause severe skin irritation reactions.

INHALATION: May cause irritation to nose, throat or lungs. Headache, nausea, dizziness and unconsciousness. May be aspirated into lungs if swallowed.

INGESTION: May cause irritation to intestines. Nausea, headache and unconsciousness.

SUBCHRONIC AND CHRONIC EFFECTS OF OVEREXPOSURE:

No known applicable information.

OTHER HEALTH EFFECTS:

No known applicable information.

HEALTH HAZARD CATEGORIES:

	Animal	Human		Animal	Human
Known Carcinogen	☐	☐	Toxic	☐	☐
Suspect Carcinogen	☐	☐	Corrosive	☐	☐
Mutagen	☐	☐	Irritant	☐	☐
Teratogen	☐	☐	Target Organ Toxin	☐	☐
Allergic Sensitizer	☐	☐	Specify	No known applicable information.	
Highly Toxic	☐	☐			

FIRST AID AND EMERGENCY PROCEDURES:

EYE: Flush eyes with running water for at least 15 minutes. If irritation develops, seek medical attention.

SKIN: Wash with soap and water. If irritation develops, seek medical attention.

INHALATION: Remove from exposure. If illness or adverse symptoms develop, seek medical attention.

INGESTION: Do not induce vomiting. Seek immediate medical assistance. A physician may, at his discretion, perform gastric lavage using a cuffed endotracheal tube.

92142

4150

MATERIAL SAFETY DATA SHEET

92142
Page 4 of 6

PHYSICAL DATA

Appearance: Amber liquid

Odor: Mild

Boiling Point: 350°-650°F (177°-343°C)

Vapor Pressure: 1 mm Hg at 20°C

Vapor Density (Air = 1): NE

Solubility in Water: Negligible

Specific Gravity (H₂O = 1): 0.80 at 60/60°F

Percent Volatile by Volume: 100

Evaporation Rate (____ Butyl Acetate ____ = 1): <1

Viscosity: NE

FIRE and EXPLOSION DATA

Flash Point (Method Used): 140°F (60°C) (TCC, ASTM D 56)

Flammable Limits (% By Volume in Air): LEL NE UEL NE

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO₂).

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments described on Page 2 if conditions warrant. If conditions immediately dangerous to life or health (IDLH) exist, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) equipment. Water fog or spray may be used to cool exposed containers and equipment.

Fire and Explosion Hazards: Carbon oxides and various hydrocarbons formed when burned.

SPILL, LEAK and DISPOSAL PROCEDURES

Precautions Required if Material is Released or Spilled: Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Shut off source, if possible and contain spill. Protect from ignition. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator. In case of spill or leak which results in conditions immediately dangerous to life or health (IDLH) use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) equipment. When entry into or exit from concentrations of unknown exposure, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA). Keep out of water sources and sewers. Absorb in dry, inert material (sand, clay, sawdust, etc.). Transfer to disposal drums using non-sparking equipment.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations): Incinerate or otherwise manage in RCRA permitted waste management facility.

4150

M MATERIAL SAFETY DATA SHEET

92142

Page 5 of 6

DOT TRANSPORTATION

Shipping Name: Diesel Fuel

Hazard Class: Combustible Liquid

ID Number: NA 1993

Marking: NA 1993

Label: None

Placard: Flammable or Combustible

Hazardous Substance/RQ: NA

Shipping Description: Diesel Fuel, Combustible Liquid, NA 1993

Packaging References: 49 CFR 173.118(a)

RCRA CLASSIFICATION (FOR UNADULTERATED PRODUCT AS A WASTE)

Ignitable

PROTECTIVE MEASURES DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT

Wear protective equipment and/or garments described on Page 2 if exposure conditions warrant. Use NIOSH/MSHA approved respiratory protection, such as air-supplied mask, in confined spaces or other poorly ventilated areas. See Page 2 for protective clothing requirements. Contact immediate supervisor for specific instructions before work is initiated.

HAZARD CLASSIFICATION

THIS PRODUCT MEETS THE FOLLOWING HAZARD DEFINITION(S) AS DEFINED BY OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (29 CFR PART 1910.1200):

- | | | |
|--|---|---|
| ☐ Not Hazardous | ☐ Flammable Solid | ☐ Oxidizer |
| ☒ Combustible Liquid | ☐ Flammable Aerosol | ☐ Pyrophoric |
| ☐ Compressed Gas | ☐ Explosive | ☐ Unstable |
| ☐ Flammable Gas | ☐ Health Hazard (See Page 3) | ☐ Water Reactive |
| ☐ Flammable Liquid | ☐ Organic Peroxide | |

MATERIAL SAFETY DATA SHEET

92142

Page 6 of 6

ADDITIONAL COMMENTS

Phillips believes that the information contained herein (including data and statements) is accurate as of the date hereof. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION HEREIN PROVIDED. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use of the product and the information referred to herein are beyond the control of Phillips (references to Phillips including its divisions, affiliates, and subsidiaries), Phillips expressly disclaims any and all liability as to any results obtained or arising from any use of the product or such information. No statement made herein shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

4150

District IV - (505) 748-1283
811 S. First
Artesia, NM 88210
District IV - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131
RECEIVED
'96 MAR 8 AM 8 52
Originated 4/1
Submit Original Plus 1 to appropriate District C

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	El Paso natural gas
Verbal Approval Received: Yes ☐ No ☒	4. Generator
2. Management Facility Destination: Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	5. Originating Site: El Paso Natural Gas
3. Address of Facility Operator: 5796 Hwy. 64-3014 Farmington, NM	6. Transporter
7. Location of Material (Street Address or ULSTR): Ballard Plant, Ballard Rd. Huerfano, N.M.	8. State: New Mexico
9. Circle One: NEH, 554, 526, T-64, R9W, N1PM	
(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. (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:

- Sealable Dums, cleaning scale out of plant heat exchanger. LIQUID.

- TCLP attached.

Overland Deth barrel
Eventually shipped as special waste

RECEIVED
MAR 14 1996
OIL CON. DIV.
DIST. 3
RECEIVED
MAR - 7 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 1 BBL cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 2/22/96

TYPE OR PRINT NAME: Robert M. Young

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Kent TITLE: Geologist

DATE: 3/7/96

APPROVED BY: Contin TITLE: Geologist

DATE: 3/9/96

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

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

Form C-13
Originated 4/18/95

Submit Origin.
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	El Paso Natural Gas
Verbal Approval Received: Yes ☐ No ☒	4. Generator
2. Management Facility Destination: Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	5. Originating Site: El Paso Natural Gas
3. Address of Facility Operator: 5796 Hwy. 64-3014 Farmington, NM	6. Transporter
7. Location of Material (Street Address or ULSTR): Ballard Plant,	8. State: New Mexico
9. Circle One: NEH, SE4, S26, T26N, R9W, N1/4 PM	
(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. 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:

- Sealable Drums, cleaning scale out of plant heat exchanger. LIQUID.
- TCLP attached.

RECEIVED
MAR - 7 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 1556 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 2/22/96

TYPE OR PRINT NAME: Robert M. Young

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fultz

TITLE: Geologist

DATE: 3/7/96

APPROVED BY: _____

TITLE: _____

DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Ballard Plant - El Paso Field Services
Source: Dehydration Cleaning Waste (After neutralization)
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for EPFS
concur with the status of the waste from the subject site.

Name SANDRA D. MILLER
Title/Agency SUPERINTENDENT, ENVIRONMENTAL
COMPLIANCE
Address P.O. Box 4490
FARMINGTON, NM 87499
Signature Sandra D. Miller
Date 2/29/96

ENV ROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 30, 1996

Mr. Patrick Marquez
Mr. John Lambdin
El Paso Natural Gas Field Services Company
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 96003-01

Gentlemen,

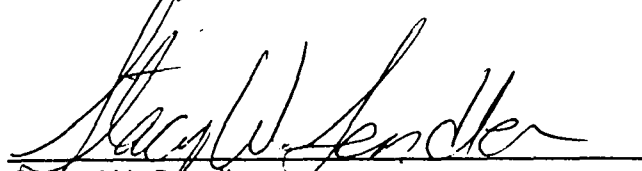
Enclosed are the analytical results for a sample collected from the Ballard Plant location, and identified as "Dehy. Cleaning Waste". One Liquid/Solid sample was collected by EPNG Field Services Company personnel on January 19, 1996, and delivered to the Envirotech laboratory on January 22, 1996 for Hazardous Waste Characterization (TCLP Organics and Metals, and RCRA characteristics).

The sample identified as EPNG Field Services Company No. 960039 was documented on Envirotech Chain of Custody No. 4209 and assigned Laboratory No. 9953 for tracking purposes. The sample was extracted on 01/22/96 and analyzed 01/22/96 through 01/29/96.

Results of the analysis indicate that this material is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It is always a pleasure doing business with you.

Respectfully submitted,
Envirotech, Inc.



Stacy W. Sandler
Environmental Scientist/Laboratory Manager

enc. - originals to J. Lambdin
- copies to P. Marquez

96003-01/lb1

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	El Paso Field Services Co.	Project #:	96003-01
Sample ID:	960039	Date Reported:	01-29-96
Lab ID#:	9953	Date Sampled:	01-19-96
Sample Matrix:	Solid	Date Received:	01-22-96
Preservative:	Cool	Date Analyzed:	01-22-96
Condition:	Cool & Intact	Chain of Custody:	4209

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 8.29

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

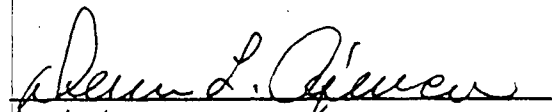
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

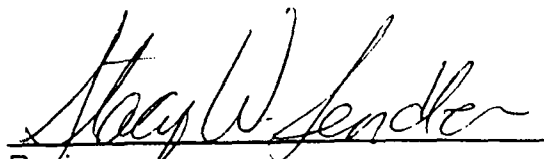
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Ballard Plant, Dehy. Cleaning Waste.


Analyst


Review

Client:	El Paso Field Services Co.	Project #:	96003-01
Sample ID:	960039	Date Reported:	01-26-96
Laboratory Number:	9953	Date Sampled:	01-19-96
Chain of Custody:	4209	Date Received:	01-22-96
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	01-25-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0002	0.5
Benzene	0.0109	0.0001	0.5
1,2-Dichloroethane	ND	0.0005	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

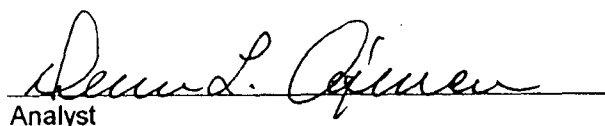
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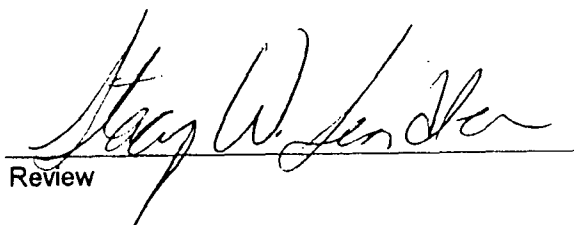
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	103%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Ballard Plant, Dehy. Cleaning Waste.**


Analyst


Review

Client:	El Paso Field Services Co.	Project #:	96003-01
Sample ID:	960039	Date Reported:	01-26-96
Laboratory Number:	9953	Date Sampled:	01-19-96
Chain of Custody:	4209	Date Received:	01-22-96
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	01-25-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	100%

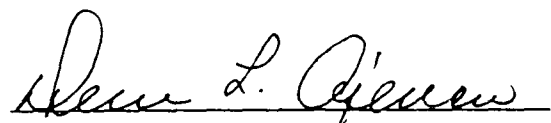
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

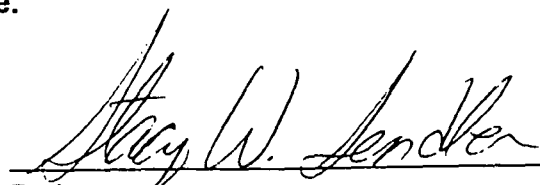
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Ballard Plant, Dehy. Cleaning Waste.


Analyst


Review

Client:	El Paso Field Services Co.	Project #:	96003-01
Sample ID:	960039	Date Reported:	01-26-96
Laboratory Number:	9953	Date Sampled:	01-19-96
Chain of Custody:	4209	Date Received:	01-22-96
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	01-25-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	0.207	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	0.035	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

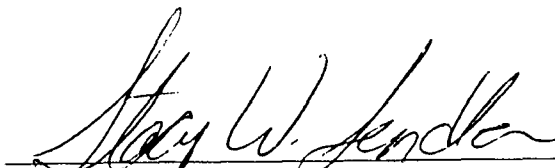
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Ballard Plant, Dehy. Cleaning Waste.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	El Paso Field Services Co.	Project #:	96003-01
Sample ID:	960039	Date Reported:	01-29-96
Laboratory Number:	9953	Date Sampled:	01-19-96
Chain of Custody:	4209	Date Received:	01-22-96
Sample Matrix:	Solid	Date Analyzed:	01-29-96
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	ERR	5.00
Barium	17.3	ERR	100
Cadmium	0.906	ERR	1.00
Chromium	0.024	ERR	5.00
Lead	0.130	ERR	5.00
Mercury	ND	ERR	0.200
Selenium	ND	ERR	1.00
Silver	ND	ERR	5.0

ND - Parameter not detected at the stated detection limit.

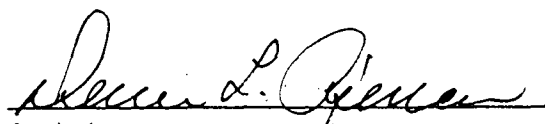
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

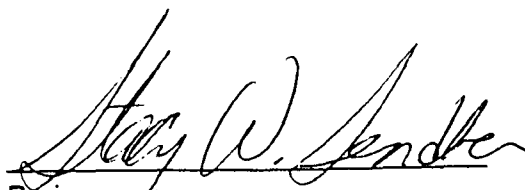
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Ballard Plant, Dehy. Cleaning Waste.**


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-26-96
Laboratory Number:	01-25-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-25-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0002	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0005	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

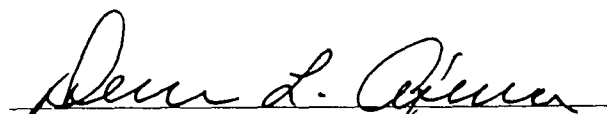
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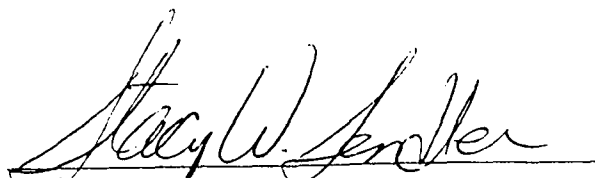
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-26-96
Laboratory Number:	01-22-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-25-96
Condition:	N/A	Date Extracted:	01-22-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0002	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0005	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

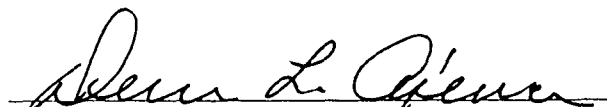
ND - Parameter not detected at the stated detection limit.

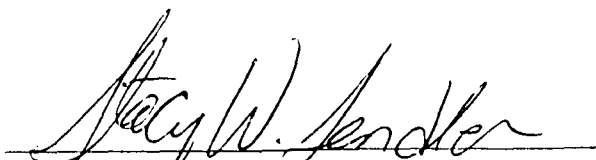
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

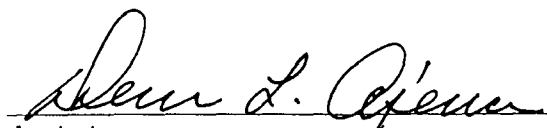
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-25-96
Condition:	N/A	Date Extracted:	01-22-96

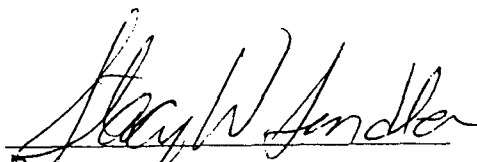
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0003	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0002	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0005	0.0%
Trichloroethene	ND	ND	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

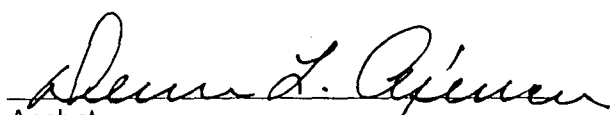
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-25-96
Condition:	N/A	Date Extracted:	01-22-96

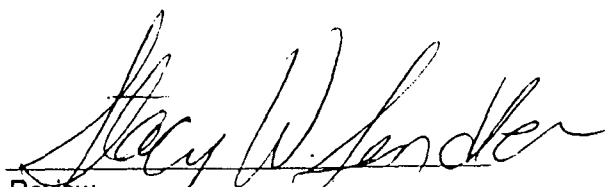
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0184	0.0003	87%	28-163
1,1-Dichloroethene	ND	0.020	0.0201	0.0002	83%	43-143
2-Butanone (MEK)	ND	0.020	0.0199	0.0001	97%	47-132
Chloroform	ND	0.020	0.0194	0.0002	97%	49-133
Carbon Tetrachloride	ND	0.020	0.0192	0.0002	96%	43-143
Benzene	ND	0.020	0.0180	0.0001	89%	39-150
1,2-Dichloroethane	ND	0.020	0.0195	0.0005	97%	51-147
Trichloroethene	ND	0.020	0.0189	0.0001	92%	35-146
Tetrachloroethene	ND	0.020	0.0199	0.0002	97%	26-162
Chlorobenzene	ND	0.020	0.0193	0.0001	96%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0222	0.0001	97%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-26-96
Laboratory Number:	01-25-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-25-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	102 %
	2,4,6-tribromophenol	104 %

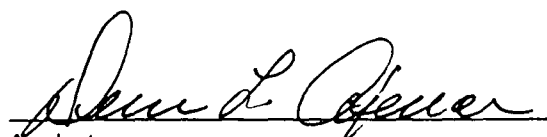
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

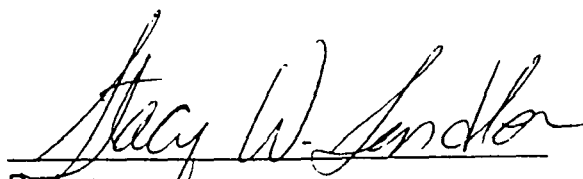
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-26-96
Laboratory Number:	01-22-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool & Intact	Date Analyzed:	01-25-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	101%
	2,4,6-Tribromophenol	103%

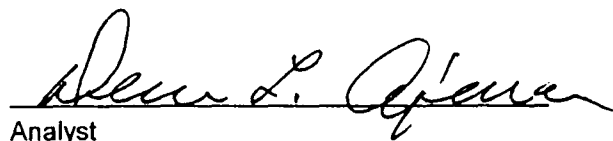
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

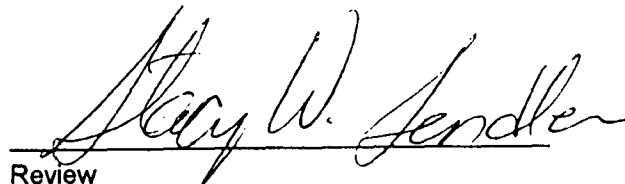
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool & Intact	Date Analyzed:	01-25-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.021	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.021	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

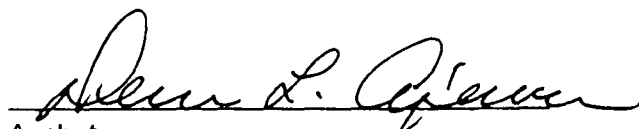
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

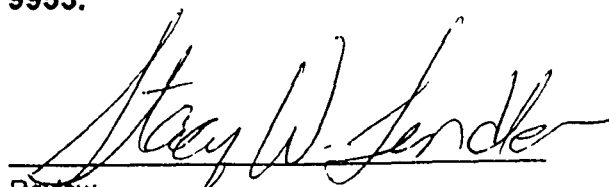
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-26-96
Laboratory Number:	01-25-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	01-25-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

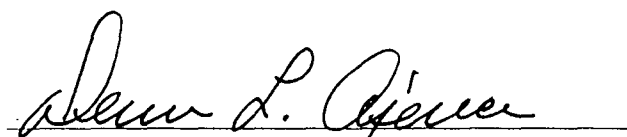
ND - Parameter not detected at the stated detection limit.

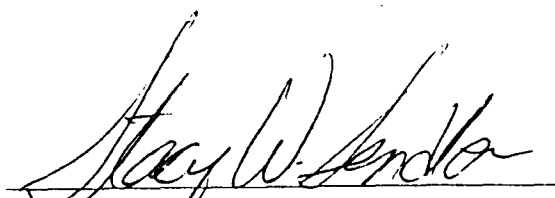
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-26-96
Laboratory Number:	01-22-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool and Intact	Date Analyzed:	01-25-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

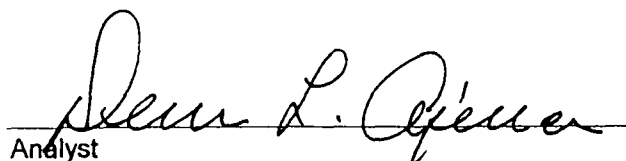
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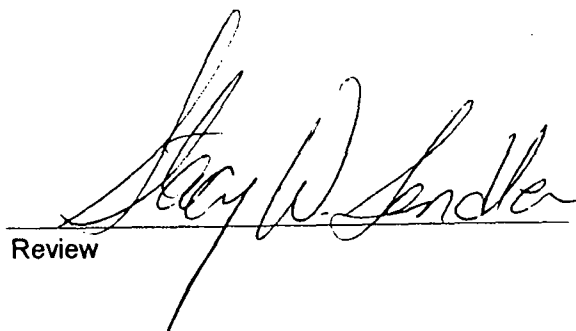
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 9950
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 01-26-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-22-96
Date Analyzed: 01-25-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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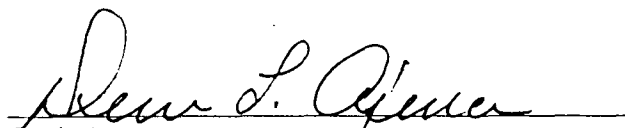
8090 Compounds

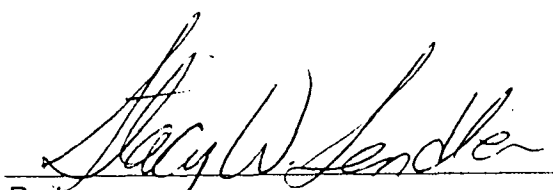
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	01-29-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-29-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

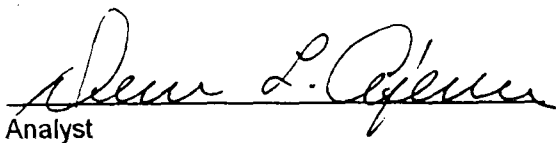
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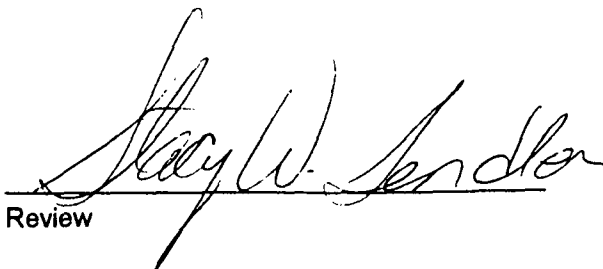
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 9950, 9951 and 9953..


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-29-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-29-96
Condition:	N/A	Date Extracted:	01-22-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.19	1.19	0.0%
Cadmium	0.009	0.010	10.5%
Chromium	0.001	0.001	0.0%
Lead	0.021	0.021	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

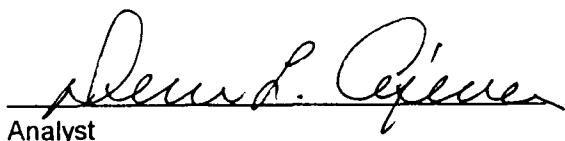
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

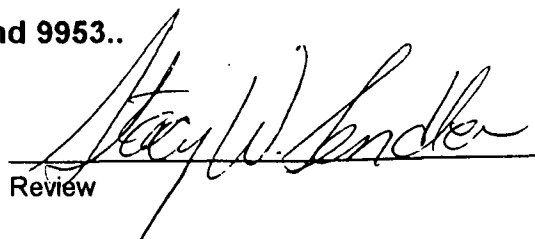
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 9950, 9951 and 9953..


Analyst


Review

**A METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	01-29-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-29-96
Condition:	N/A	Date Extracted:	01-22-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.099	99%
Barium	1.00	1.19	2.20	100%
Cadmium	0.100	0.009	0.110	101%
Chromium	0.100	0.001	0.101	100%
Lead	0.100	0.021	0.121	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.099	99%
Silver	1.0	ND	0.99	99%

ND - Parameter not detected at the stated detection limit.

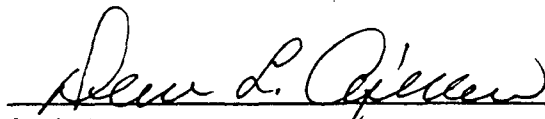
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

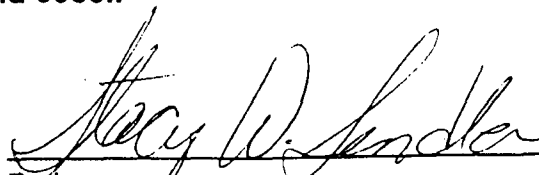
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 9950, 9951 and 9953..


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location		ANALYSIS/PARAMETERS							
Sampler: (Signature)			Chain of Custody Tape No.		No. of Containers	TCLP Metals	TCLP Organics	Corrosivity	Reactivity	Ignitability	Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
960039	1-19-96	1427	9953	Liquid/Solid	5	X	X	X	X	X	Dehyo. Cleaning Waste	
Relinquished by: (Signature)			JOHN LAMBDAIN		Date	1-22-96	Time	1130	Received by: (Signature)			Richard Benson
Relinquished by: (Signature)					Date		Time		Received by: (Signature)			
Relinquished by: (Signature)			Richard Benson		Date	1/22/96	Time	1141	Received by: (Signature)			John L. Lambdin

NOTE: CHARACTERIZATION FOR DISPOSAL
OF NON-EXEMPT WASTE

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

Remarks: Results + Invoices to
EI Paso Field Services
P.O. Box 4990
Farmington, NM 87499
Attn: John LAMBDAIN

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
111 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

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District

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96 FEB 28 AM 8 52

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>ENVIROTECH</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Main Yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>5796 Hwy 64, Farmington, N.M.</u>
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. 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. <u>3-96</u>	

BRIEF DESCRIPTION OF MATERIAL:

Clean up various vehicle leaks & spills. Also includes clean up of scale remaining after destruction of UST's.

TCLP ATTACHED

Crushed tanks had non-oilfield source.

went to Landfarm under NMED

Estimated Volume 30-40 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 2-26-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fout TITLE: Geologist DATE: 2/27/96

APPROVED BY: Reid TITLE: Geologist DATE: 2/4/96

SF 2/27/96

1940
NM 88241-1980
Office II - (505) 748-1283
Attec, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Attec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 4/18/9

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator ENVIROTECH
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	5. Originating Site Main Yard
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	6. Transporter ENVIROTECH
7. Location of Material (Street Address or ULSTR)	8. State New Mexico
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. 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:

Clean up various vehicle leaks & spills. Also includes clean up of scale remaining after destruction of UST's.
TCLP ATTACHED.

RECEIVED
FEB 27 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 30-40 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 2-26-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Henry G. Feunt TITLE: Geologist DATE: 2/27/96
APPROVED BY: _____ TITLE: _____ DATE: _____

Santa Fe 2/27/96

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS NON-OILFIELD. NON-EXEMPT WASTE MATERIAL

Originating Location: ENVIROTECH, Inc. Main Yard, 5796 US Hwy 64, Farmington, NM.

Source: Clean up of misc. leaks, spills & scale from destruction of USTs

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Landfarm #3 Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that, to my knowledge, this waste will be (or has been) analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as a "characteristic non-hazardous waste". I further certify that, to my knowledge, no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C or D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3."

I, the undersigned, as the agent for ENVIROTECH, INC.
concur with the status of the waste from the subject site.

Name HARLAN M. BROWN

Title/Agency STAFF GEOLOGIST

Address 5796 US Hwy 64
FARMINGTON, NEW MEXICO

Signature Harlan M. Brown
Date 2-26-96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Signed Harlan M. Brown

Date of TCLP 3-23-95

Name HARLAN M. BROWN

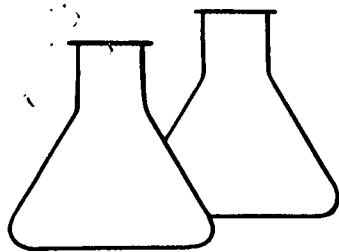
Title/Agency STAFF GEOLOGIST

Address 5796 US Hwy 64

FARMINGTON, N.M.

Signature Harlan M. Brown

Date 2-26-96



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Envirotech	Project #:	91005
Sample ID:	5 Point Composite	Date Reported:	04-14-95
Lab ID#:	8256	Date Sampled:	03-23-95
Sample Matrix:	Soil	Date Received:	03-23-95
Preservative:	Cool	Date Analyzed:	04-14-95
Condition:	Cool & Intact	Chain of Custody:	4129

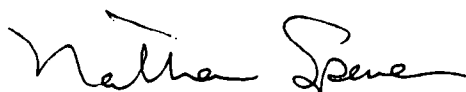
IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.76

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

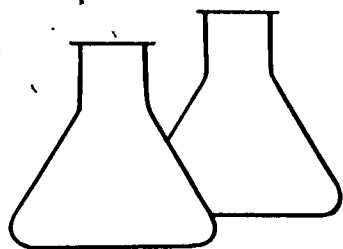
Comments: $\leq$ pH 2 or $\geq$ pH 12.5 is hazardous waste.



Analyst



Reviewed



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Envirotech	Project #:	91005
Sample ID:	5 Point Composite	Date Reported:	04-13-95
Laboratory Number:	8256	Date Sampled:	03-23-95
Chain of Custody:	4129	Date Received:	03-23-95
Sample Matrix:	Soil	Date Analyzed:	04-12-95
Preservative:	Cool	Date Extracted:	03-23-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.097	0.001	5.00
BARIUM	ND	0.1	100
CADMIUM	ND	0.001	1.00
CHROMIUM	0.017	0.002	5.00
LEAD	0.263	0.001	5.00
MERCURY	ND	0.001	0.200
SELENIUM	ND	0.001	1.00
SILVER	ND	0.001	5.00

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

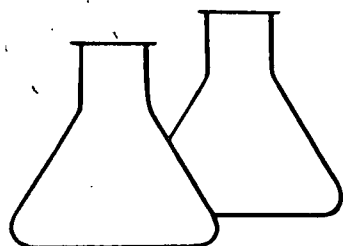
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

Comments: Composite waste from both Envirotech yards.

Analyst

Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040 PHENOLS

Client:	Envirotech Yard	Project #:	91005
Sample ID:	5 point Composite	Date Reported:	04-03-95
Laboratory Number:	8256	Date Sampled:	03-23-95
Chain of Custody:	4129	Date Received:	03-23-95
Sample Matrix:	Soil	Date Extracted:	03-23-95
Preservative:	Cool	Date Analyzed:	03-31-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.021	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	0.029	0.027	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-Fluorophenol	99 %
	2,4,6-Tribromophenol	108 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

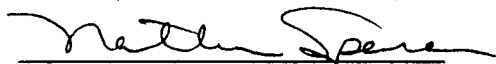
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

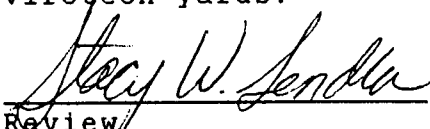
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

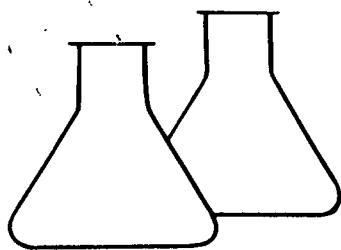
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: Composite waste from both Envirotech yards.
Farmington, NM.


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	Envirotech	Project #:	91005
Sample ID:	5 Point Composite	Date Reported:	04-11-95
Laboratory Number:	8256	Date Sampled:	03-23-95
Chain of Custody:	4129	Date Received:	03-23-95
Sample Matrix:	Soil	Date Extracted:	03-23-95
Preservative:	Cool	Date Analyzed:	03-28-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
1,1-Dichloroethene	ND	0.007	0.7
2-Butanone	ND	0.005	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	103 %
	Bromofluorobenzene	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

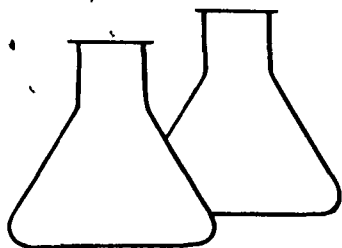
Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

Comments: Composite waste from both Envirotech yards.
Farmington, NM.

Nathan Spence
Analyst

Steve W. Sandler
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Envirotech	Project #:	91005
Sample ID:	5 Point Composite	Date Reported:	04-11-95
Laboratory Number:	8256	Date Sampled:	03-23-95
Chain of Custody:	4129	Date Received:	03-23-95
Sample Matrix:	Soil	Date Extracted:	03-23-95
Preservative:	Cool	Date Analyzed:	04-06-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

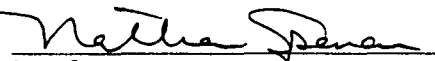
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

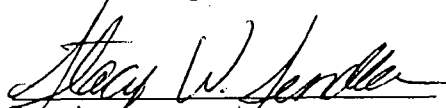
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: Composite waste from both Envirotech yards.
Farmington, NM.


Analyst


Review

91005
Envirotech Yard Cleanup TCLP

Sample ID 8256

Sampled 3/23/95

Analyzed ~~4/14/95~~

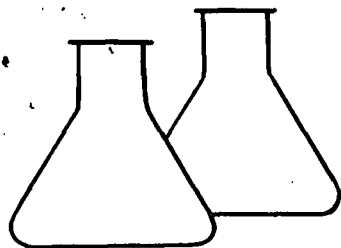
RCI OK.

OK
led
Rmg 5/16/95

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	✓ Lindane	0.4	D013
✓ Chlordane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	✓ Methoxychlor	10.0	D014
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
✓ 2,4-D	10.0	D016	✓ 2,4,5-TP (Silvex)	1.0	D017
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	✓ Toxaphene	0.5	D015
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
✓ Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
✓ Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

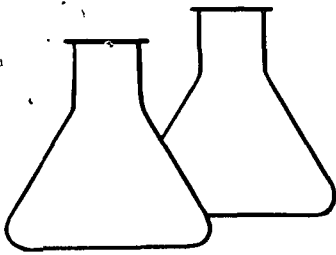
*=EP Toxic wastes; TCLP must now be utilized for characterizing these wastes



ENV RO' ECH LABS

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**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**



ENV RO' ECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS - BLANKS

Client:	N/A	Project #:	N/A
Sample ID:	Blanks	Date Reported:	04-13-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-12-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.002
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.001
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.001

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

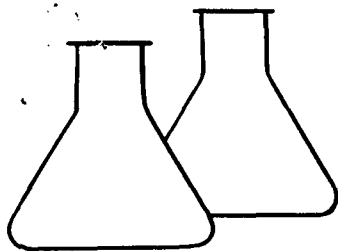
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296.

Natasha Sosa
Analyst

Stacy W. Sandler
Review



ENV RO' ECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - DUPLICATE

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-13-95
Laboratory Number:	8248	Date Sampled:	N/A
Sample Matrix:	Liquid	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	04-12-95
Condition:	N/A	Date Extracted:	03-23-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
ARSENIC	0.0201	0.0242	18.5
BARIUM	ND	ND	0.0
CADMIUM	ND	ND	0.0
CHROMIUM	ND	ND	0.0
LEAD	0.0067	0.0072	7.2
MERCURY	ND	ND	0.0
SELENIUM	0.0043	0.0045	4.5
SILVER	ND	ND	0.0

QA ACCEPTANCE CRITERIA:	Parameter	Maximum Difference
	Trace Metals	30 %

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

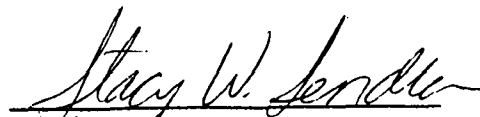
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

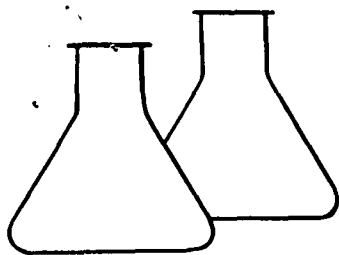
ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296.


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	04-13-95
Laboratory Number:	8248	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-12-95
Condition:	N/A	Date Extracted:	03-23-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.020	0.121	101
BARIUM	20.0	ND	19.9	100
CADMIUM	0.100	ND	0.105	105
CHROMIUM	0.100	ND	0.108	108
LEAD	0.100	0.007	0.108	101
MERCURY	0.050	ND	0.051	101
SELENIUM	0.100	0.004	0.104	100
SILVER	2.00	ND	2.08	104

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

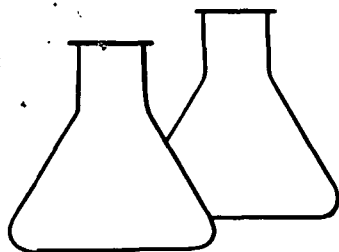
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296.

Natha Spence
Analyst

Stacy W. Sandler
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040 PHENOLS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-03-95
Laboratory Number:	0331TALB	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-31-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.027	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-Tribromophenol	106 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

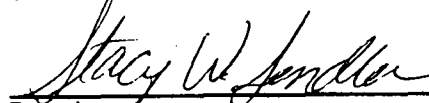
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

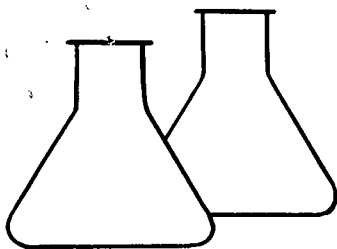
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8248, 8256, 8296.


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040 PHENOLS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	04-03-95
Laboratory Number:	0323TAMB	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-31-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.021	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.025	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	94 %
	2,4,6-Tribromophenol	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

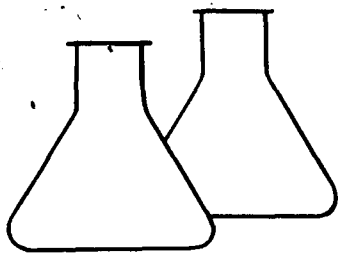
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8248, 8256, 8296.

Nathan Spivey
Analyst

Stacy W. Sandler
Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

**** QUALITY ASSURANCE REPORT MATRIX DUPLICATE**
EPA METHOD 8040 PHENOLS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-03-95
Laboratory Number:	8248	Date Sampled:	03-15-95
Sample Matrix:	Soil	Date Received:	03-15-95
Preservative:	Cool	Date Extracted:	03-23-95
Condition:	Cool & intact	Date Analyzed:	03-31-95
		Analysis Requested:	TCLP

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
o-Cresol	ND	ND	0.0
p,m-Cresol	ND	ND	0.0
2,4,6-Trichlorophenol	ND	ND	0.0
2,4,5-Trichlorophenol	ND	ND	0.0
Pentachlorophenol	ND	ND	0.0

QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

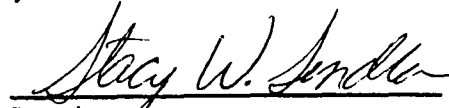
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

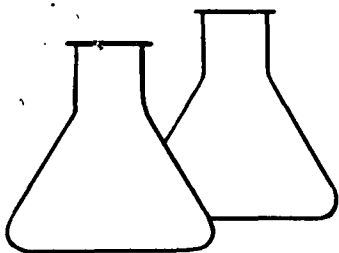
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8248, 8256, 8296.


Analyst


Review



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EPA METHOD 8040 PHENOLS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	04-03-95
Laboratory Number:	8296	Date Sampled:	N/A
Chain of Custody:	N/A	Date Received:	N/A
Sample Matrix:	Soil	Date Extracted:	03-28-95
Preservative:	Cool	Date Analyzed:	03-31-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery (%)	% Rec. Accept. Range
o-Cresol	ND	0.100	0.096	96	75-125
p,m-Cresol	ND	0.200	0.194	97	75-125
2,4,6-Trichlorophenol	ND	0.100	0.086	86	53-119*
2,4,5-Trichlorophenol	ND	0.100	0.088	88	75-125
Pentachlorophenol	0.063	0.100	0.127	78	36-134*

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

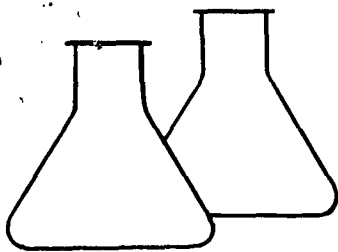
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8248, 8256, 8296.
* SW-846 acceptable recovery range

Nathan Spence
Analyst

Steve W. Sandler
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-11-95
Laboratory Number:	0328TVLB	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-28-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.007	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	104 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

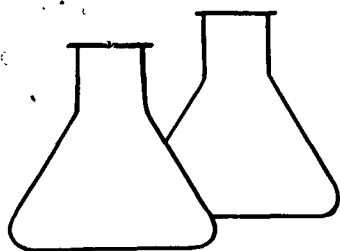
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296

Nathan Spencer
Analyst

Stacy W. Sander
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	04-11-95
Laboratory Number:	0328TVMB	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-03-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	92 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992.

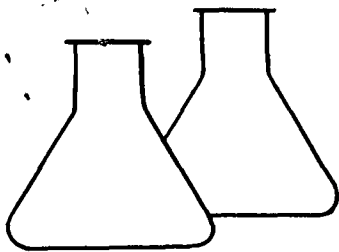
ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296

Nathan Spencer
Analyst

Ray W. Senter
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE REPORT MATRIX DUPLICATE

EPA METHOD 8010/8020 AROMATIC VOLATILE/HALOGENATED VOLATILE ORGANICS

Client: N/A
Sample ID: Duplicate Sample
Laboratory Number: 8248
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

Project #: N/A
Date Reported: 04-11-95
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 03-28-95

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.005	0.0
1,1-Dichloroethene	ND	ND	0.007	0.0
2-Butanone	ND	ND	0.005	0.0
Chloroform	ND	ND	0.005	0.0
Carbon Tetrachloride	ND	ND	0.005	0.0
Benzene	ND	ND	0.005	0.0
1,2-Dichloroethane	ND	ND	0.005	0.0
Trichloroethene	ND	ND	0.005	0.0
Tetrachloroethene	ND	ND	0.006	0.0
Chlorobenzene	0.039	0.039	0.005	0.1
1,4-Dichlorobenzene	ND	ND	0.005	0.0

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

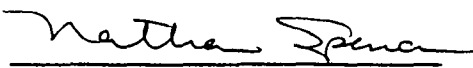
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

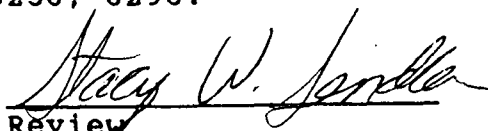
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

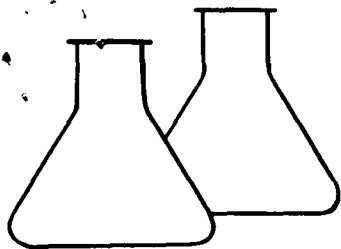
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296.


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-11-95
Laboratory Number:	0406BNLB	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	04-06-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	93 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

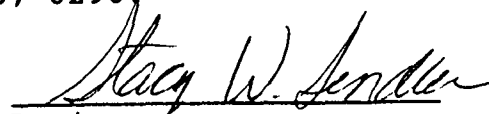
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

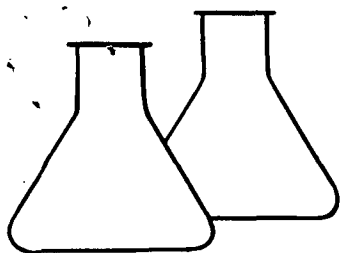
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296.


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	04-11-95
Laboratory Number:	0323BNMB	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	04-06-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	111 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

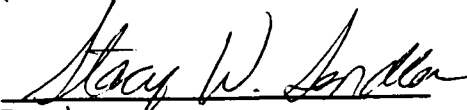
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

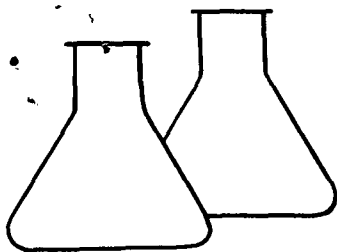
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8248, 8256, 8296.


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

**** QUALITY ASSURANCE REPORT MATRIX DUPLICATE**
EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	QA/QC	Project #:	N/A
Sample ID:	Duplicate Sample	Date Reported:	04-11-95
Laboratory Number:	8248	Date Sampled:	03-15-95
Sample Matrix:	Soil	Date Received:	03-15-95
Preservative:	Cool	Date Extracted:	03-23-95
Condition:	Cool & intact	Date Analyzed:	04-06-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Pyridine	ND	ND	0.0
Hexachloroethane	ND	ND	0.0
Nitrobenzene	0.043	0.045	4.5
Hexachlorobutadiene	ND	ND	0.0
2,4-Dinitrotoluene	0.036	0.037	2.7
Hexachlorobenzene	ND	ND	0.0

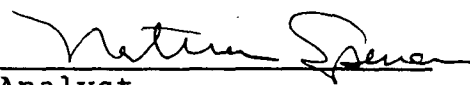
QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

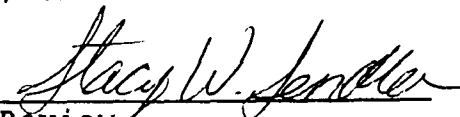
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8248, 8256, 8296.


Analyst


Review

3/95
Envirote

#

5

CHAIN OF CUSTODY RECORD

Name

Project Location Farmington, NM

Both Yards - Com Site Waste

ANALYSIS/PARAMETERS

Remarks

Sampler: (Signature)

Nath

Chain of Custody Tape No.

Sample No./
IdentificationSample
DateSample
Time

Lab Number

Sample
MatrixNo. of
Containers

TCU 4/15/93/551

5 Joint Com 25 3

0930

82

SOIL

1

Stock Pile -
Composite on

by: (Signature)

Nath

Date

Time

Received by: (Signature)

3/23/95 0950

Nath

Date

Time

3/23/95 0950

Relinquished by: (Signature)

Received by: (Signature)

Relinquished by: (Signature)

Received by: (Signature)

ENVIROTECH INC.

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Alameda, 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

rm C
Originated
Submit C
Plus
to appn
District

91327-02

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <i>Weatherford</i>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <i>Weatherford</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	6. Transporter <i>Gawn Transport</i>
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	8. State <i>NM</i>
7. Location of Material (Street Address or ULSTR) <i>5432 45 Hwy 64 Fmg, NM 87401</i>	
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. ☒ 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. <i>2/96</i>	

BRIEF DESCRIPTION OF MATERIAL:

wool bag sludge from washing oilfield equipment.

*NO material
ever shipped*

probably to Texas

OIL CON. DIV.
DIST. 3

RECEIVED
FEB 13 1996
OIL CON. DIV.
DIST. 3

Estimated Volume *20602* cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *[Signature]*
Waste Management Facility Authorized Agent

TITLE: *Landfarm Supervisor*

DATE: *2/13/96*

TYPE OR PRINT NAME: *Robert M. Young*

TELEPHONE NO. *505-632-0615*

(This space for State Use)

APPROVED BY: *[Signature]*

TITLE: *Geologist*

DATE: *2/13/96*

APPROVED BY: *[Signature]*

TITLE: *Geologist*

DATE: *2/14/96*

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

9/327-02

Submit Origin:
Plus 1 Cop
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒		4. Generator <i>Weatherford</i>
Verbal Approval Received: Yes ☐ No ☒		5. Originating Site <i>Weatherford main yd.</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	6. Transporter <i>Dawn Transport</i>	
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	8. State <i>Nm</i>	
7. Location of Material (Street Address or ULSTR) <i>5432 W Hwy 64 Fmrg, NM 87401</i>		
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. (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. <i>2/96</i>		

BRIEF DESCRIPTION OF MATERIAL:

wash by sludge from washing oilfield equipment.

RECEIVED
FEB 13 1996
OIL CON. DIV.
DIST. 3

Estimated Volume *20 BBL* cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *[Signature]*
Waste Management Facility Authorized Agent

TITLE: *Landfarm Supervisor*DATE: *2/13/96*TYPE OR PRINT NAME: *Robert M. Young*TELEPHONE NO. *505-632-0615*

(This space for State Use)

APPROVED BY: *Denny G. Zent* TITLE: *Geologist*DATE: *2/13/96*

APPROVED BY: _____ TITLE: _____

DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

91327-02

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Weatherford
Source: Slump waste
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Weatherford
concur with the status of the waste from the subject site.



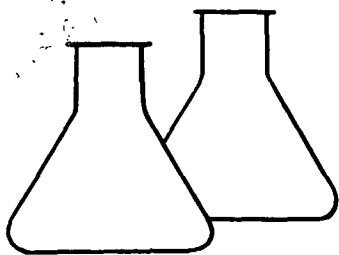
ENVIRONMENTAL CONSULTING & REMEDIATION SERVICES
Houston • Oklahoma City • San Francisco

CHAN PATEL
SENIOR PROJECT MANAGER

11246 S. POST OAK
SUITE 306
HOUSTON, TEXAS 77035

MOBILE: (713) 201-5704
OFFICE: (713) 726-9596
FAX: (713) 726-9598

Name CHAN PATEL
Title/Agency Senior Project Manager
NICKELL ENVIRONMENTAL CORP.
Address 11246 S. POST OAK SUITE 306
HOUSTON TX 77035
Signature [Signature]
Date 2-13-96



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92327-

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Weatherford	Project #:	91327-01
Sample ID:	Sump Sludge	Date Reported:	03-06-95
Lab ID#:	8220	Date Sampled:	02-15-95
Sample Matrix:	Soil	Date Received:	02-15-95
Preservative:	Cool	Date Analyzed:	02-16-95
Condition:	Cool & Intact	Chain of Custody:	4111

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 10.23

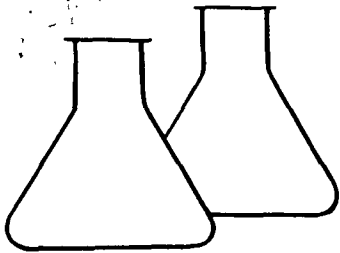
REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: $\leq$ pH 2 or $\geq$ pH 12.5 is hazardous waste. Farmington, NM.
5 Point Composite of Sump Sludge and Storage Barrels.

Nathan Spence
Analyst

Heidi Lender
Reviewed



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EPA METHODS 8010/8020

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	Weatherford	Project #:	91327-01
Sample ID:	Sump Sludge	Date Reported:	03-07-95
Laboratory Number:	8220	Date Sampled:	02-15-95
Chain of Custody:	4111	Date Received:	02-15-95
Sample Matrix:	Soil	Date Extracted:	02-16-95
Preservative:	Cool	Date Analyzed:	03-02-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
1,1-Dichloroethene	ND	0.006	0.7
2-Butanone	0.010	0.006	200
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	0.024	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	112 %
	Bromofluorobenzene	115 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

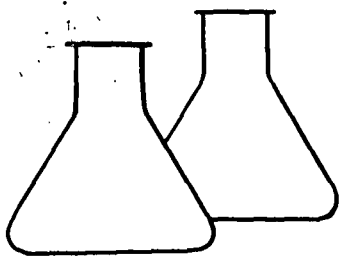
Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

Comments: 5 Point Composite of Sump Sludge and Storage Barrels.
Farmington, NM.

Nathan Jones
Analyst

Revised

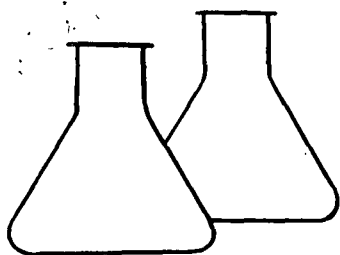


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AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-07-95
Laboratory Number:	0302TVLB	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	NA	Date Analyzed:	03-02-95
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
2-Butanone	ND	0.006	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	96 %
	Bromofluorobenzene	107 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

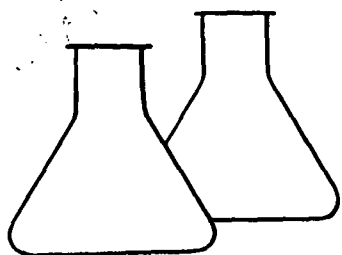
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8206, 8213-82, 822

Nathan Spence
Analyst

dlr
vie



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AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	03-07-95
Laboratory Number:	0302TVMB	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	NA	Date Analyzed:	03-02-95
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.006	0.2
2-Butanone	ND	0.006	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	109 %
	Bromofluorobenzene	116 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

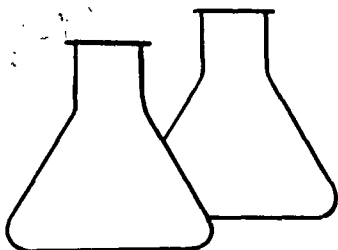
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8206, 8213-8216, 8220.

Nathan Spencer
Analyst

Steve W. Sandler
Review



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**** QUALITY ASSURANCE REPORT MATRIX DUPLICATE**
EPA METHOD 8010/8020 AROMATIC VOLATILE/HALOGENATED VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	Duplicate Sample	Date Reported:	03-07-95
Laboratory Number:	8206	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	03-02-95
Condition:	N/A		

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.006	0.0
1,1-Dichloroethene	ND	ND	0.006	0.0
2-Butanone	ND	ND	0.006	0.0
Chloroform	ND	ND	0.005	0.0
Carbon Tetrachloride	ND	ND	0.005	0.0
Benzene	ND	ND	0.005	0.0
1,2-Dichloroethane	ND	ND	0.005	0.0
Trichloroethene	ND	ND	0.005	0.0
Tetrachloroethene	ND	ND	0.005	0.0
Chlorobenzene	0.041	0.044	0.005	7.1
1,4-Dichlorobenzene	ND	ND	0.005	0.0

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

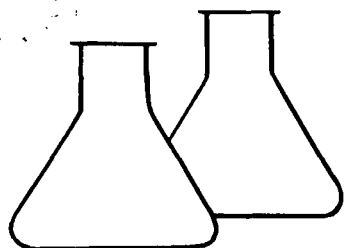
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8206, 8213-8216, 8220.

Nattha Spence
Analyst

Stacy W. Soder
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Weatherford	Project #:	91327-01
Sample ID:	Sump Sludge	Date Reported:	03-03-95
Laboratory Number:	8220	Date Sampled:	02-15-95
Chain of Custody:	4111	Date Received:	02-15-95
Sample Matrix:	Soil	Date Extracted:	02-16-95
Preservative:	Cool	Date Analyzed:	03-02-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	0.062	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

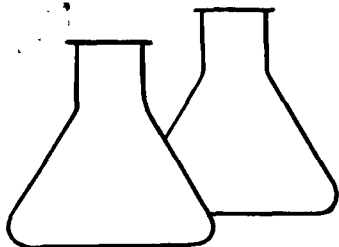
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: 5 Point Composite of Sump Sludge and Storage Barrels.
Farmington, NM.

Natte Spence
Analyst

Ray W. Spence
Review

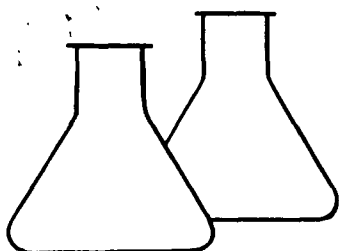


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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-03-95
Laboratory Number:	0302TBLB	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	03-02-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	109 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986

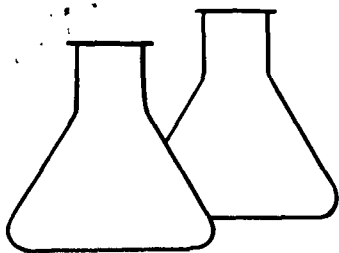
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8191, 8206, 8213 - 8216, 8220.

Nathan Spence
Analyst

Harry W. Sessler
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	03-03-95
Laboratory Number:	0219TBMB	Date Sampled:	N/A
Chain of Custody:	N/A	Date Received:	N/A
Sample Matrix:	Soil	Date Extracted:	02-19-95
Preservative:	Cool	Date Analyzed:	03-02-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986.

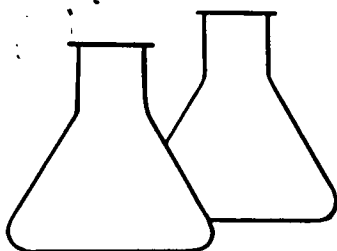
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.
N/A = Not Applicable.

Comments: QA/QC for samples 8206, 8213 - 8216, 8220.

Nathan Spencer
Analyst

Hacy W. Soder
Review



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**** QUALITY ASSURANCE REPORT MATRIX DUPLICATE**
EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	QA/QC	Project #:	N/A
Sample ID:	Duplicate Sample	Date Reported:	03-03-95
Laboratory Number:	8206	Date Sampled:	02-08-95
Sample Matrix:	Soil	Date Received:	02-09-95
Preservative:	Cool	Date Extracted:	02-16-95
Condition:	Cool & intact	Date Analyzed:	03-02-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Pyridine	ND	ND	0.0
Hexachloroethane	0.088	0.106	18.6
Nitrobenzene	ND	ND	0.0
Hexachlorobutadiene	ND	ND	0.0
2,4-Dinitrotoluene	ND	ND	0.0
Hexachlorobenzene	ND	ND	0.0

QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

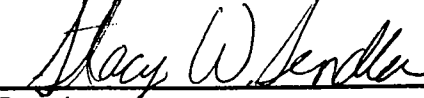
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

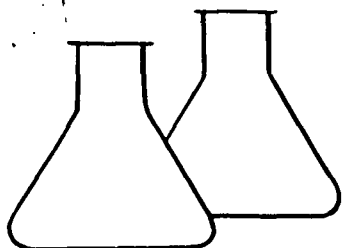
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8191, 8206, 8213 - 8216, 8220.


Analyst


Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

92327

EPA METHOD 8040 PHENOLS

Client:	Weatherford Co.	Project #:	91327.0
Sample ID:	Sump Sludge	Date Reported:	02-27-95
Laboratory Number:	8220	Date Sampled:	02-15-95
Chain of Custody:	4111	Date Received:	02-15-95
Sample Matrix:	Soil	Date Extracted:	02-16-95
Preservative:	Cool	Date Analyzed:	02-24-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	0.023	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2,4,6-tribromophenol	101 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

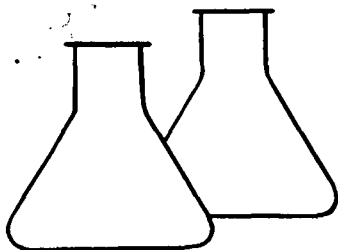
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: 5 Point Composite of Sump Sludge and Storage Barrels.
Farmington, NM.

Natasha Spencer
Analyst

Hay W. Sandler
Review

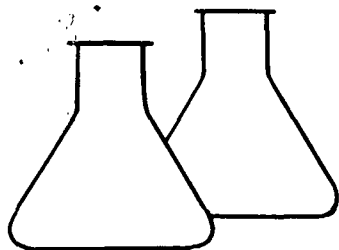


ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

92327

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

92327

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory blank	Date Reported:	02-27-95
Laboratory Number:	0224TCA BLANK	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	02-24-95
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	95 %
	2,4,6-Tribromophenol	106 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

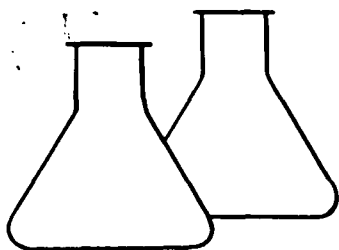
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8206, 8213-8216, 8220, 8191.

Natasha Spence
Analyst

Stacy W. Senter
Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

02327

EPA METHOD 8040 PHENOLS

Client:	N/A	Project #:	N/A
Sample ID:	Matrix Blank	Date Reported:	02-27-95
Laboratory Number:	0219MBLK	Date Sampled:	N/A
Chain of Custody:	N/A	Date Received:	N/A
Sample Matrix:	Soil	Date Extracted:	02-19-95
Preservative:	Cool	Date Analyzed:	02-24-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2,4,6-tribromophenol	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

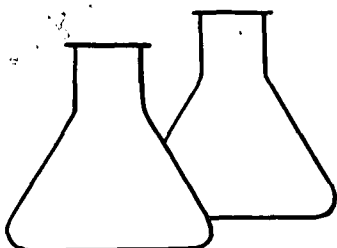
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8206, 8213-8216, 8220.

Nathan Spence
Analyst

Stacy W. Senter
Review



ENVIROTECH LABS

82327

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

**** QUALITY ASSURANCE REPORT MATRIX DUPLICATE**
EPA METHOD 8040 PHENOLS

Client:	Envirotech Lab	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	02-27-95
Laboratory Number:	8206	Date Sampled:	02-08-95
Sample Matrix:	Soil	Date Received:	02-09-95
Preservative:	Cool	Date Extracted:	02-16-95
Condition:	Cool & intact	Date Analyzed:	02-24-95
		Analysis Requested:	TCLP

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
o-Cresol	ND	ND	0.0
p,m-Cresol	ND	ND	0.0
2,4,6-Trichlorophenol	ND	ND	0.0
2,4,5-Trichlorophenol	ND	ND	0.0
Pentachlorophenol	ND	0.021	4.9

QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

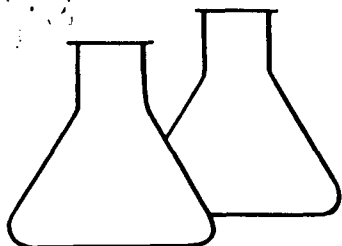
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: QA/QC for samples 8206, 8213-8216, 8220, 8191.

Nathan Spence
Analyst

Stacy W. Sander
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

12327

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Weatherford	Project #:	91327-01
Sample ID:	Sump Sludge	Date Reported:	03-14-95
Laboratory Number:	8220	Date Sampled:	02-15-95
Chain of Custody:	4111	Date Received:	02-15-95
Sample Matrix:	Soil	Date Analyzed:	03-13-95
Preservative:	Cool	Date Extracted:	02-16-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.01	5.00
BARIUM	2.13	0.1	100
CADMIUM	ND	0.001	1.00
CHROMIUM	ND	0.001	5.00
LEAD	ND	0.01	5.00
MERCURY	ND	0.006	0.200
SELENIUM	ND	0.001	1.00
SILVER	ND	0.01	5.00

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

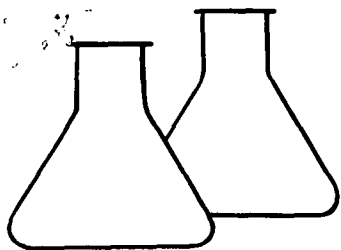
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992.

ND = Parameter not detected at the stated detection limit.

Comments: 5 Point Composite of Sump Sludge and Storage Barrels.

Analyst

Review

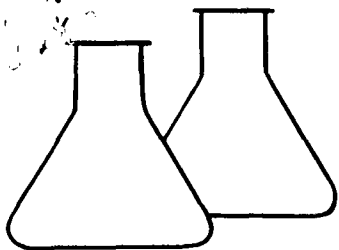


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PHONE: (505) 632-0615 • FAX: (505) 632-1865

TRACE METAL ANALYSIS - BLANKS

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	03-13-95
Laboratory Number:	0219MB	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	03-13-95
Condition:	N/A	Analysis Needed:	Trace Metals

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
-----	-----	-----	-----
ARSENIC	ND	ND	0.01
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.01
MERCURY	ND	ND	0.006
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1992.

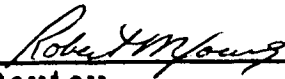
Methods 7060A, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA, 1992.

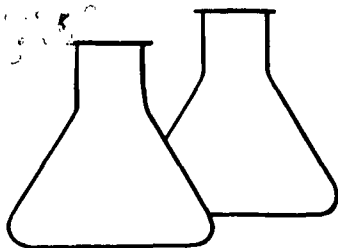
ND = Parameter not detected at the stated detection limit.

N/A = Not Applicable.

Comments: QA/QC for samples 8206, 8213-8216, 8220.


Analyst


Review



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QUALITY ASSURANCE REPORT

TRACE METAL ANALYSIS - DUPLICATE

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-13-95
Laboratory Number:	8206	Date Sampled:	N/A
Sample Matrix:	Liquid	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	03-13-95
Condition:	N/A	Date Extracted:	02-16-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
ARSENIC	ND	ND	0.0
BARIUM	15.56	16.06	3.2
CADMIUM	ND	ND	0.0
CHROMIUM	ND	ND	0.0
LEAD	ND	ND	0.0
MERCURY	ND	ND	0.0
SELENIUM	ND	ND	0.0
SILVER	ND	ND	0.0

QA ACCEPTANCE CRITERIA:	Parameter	Maximum Difference
	Trace Metals	30 %

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

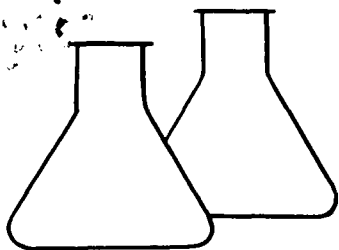
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

ND - Parameter not detected at the stated detection limit.
N/A - Not Applicable.

Comments: QA/QC for samples 8206, 8213-8216, 8220.

Nathan Spence
Analyst

Robert J. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

92327

QUALITY ASSURANCE REPORT

TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	03-13-95
Laboratory Number:	8206	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	03-13-95
Condition:	N/A		

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.1077	108
BARIUM	10.0	15.56	27.79	109
CADMIUM	0.100	ND	0.113	113
CHROMIUM	0.100	ND	0.0954	95
LEAD	0.100	ND	0.0897	90
MERCURY	0.050	ND	0.0530	106
SELENIUM	0.100	ND	0.0975	98
SILVER	2.00	ND	2.037	102

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	Trace Metals	80 - 120

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

ND - Parameter not detected at the stated detection limit.
N/A - Not Applicable.

Comments: QA/QC for samples 8206, 8213-8216, 8220.

Natasha Jones
Analyst

Robert M. Young
Review

92327

CHAIN OF CUSTODY RECORD

[illegible]**ENVIROTECH INC.**

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

93-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT
Form C-13
Originated 4/1
Submit Original
Plus 1 Copy
to appropriate
District Office

91364-10

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Verbal Approval Denny Faust 2-2-96 14:25</i>	4. Generator <i>Maridian</i> 5. Originating Site <i>Klein Mesa Salt Water Evap Tank</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	6. Transporter <i>CF&M</i>
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>Sec 3, T25N, R6W</i>
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. 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:

TANK BOTTOMS from cleaning of saltwater evaporation TANK

*LF 2
D 23*

RECEIVED
FEB - 8 1996
OIL CON. DIV.
DIST. 3

NOTE C-117A
Completed to
Tierra L.F.

Estimated Volume 40-60 wet bbls. cy Known Volume (to be entered by the operator at the end of the haul) 192 BLS cy

SIGNATURE: *Robert M. Young* TITLE: Landfarm Supervisor DATE: 2-2-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Denny G. Faust* TITLE: Geologist DATE: 2/8/96

APPROVED BY: *Ernie Busch* TITLE: DATE:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Klein Hess Salt Water Evaporation Unit
Source: Solids & oil from the evaporation of produced water
Disposal Location: Envirotech Soil Remediation Facility. (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name CRAIG A. Bock
Title/Agency Environmental Representative
Address Box 4289, Farmington, NM
Signature Craig A. Bock
Date 2/7/96

Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and
Environmental

1. Waste Location: Lease/Well No. Klein Mesa Salt water
Evaporation Unit sec 3, T25N, R6W
2. Volume: 40 Cubic Yards 0 Barrels 0 Gallons
3. Description of Waste: Tank bottoms containing Solids &
waste oil.
4. Method of Waste Generation: From the Evaporation of
Produced water.
5. Disposal Facility: Envirotech
6. Disposal Cost: _____
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

C. A. Port
(signature)

Date 2/2/96

MOI
Representative

Transportation Company: CE&M

Date(s) Transported: _____

MOI Representative on Site

(signature)

Date _____

Disposal Facility

Complete and

return to

Meridian

Safety and

Environmental

with invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____

(signature)

Revised January 16, 1994

DISTRICT II

P.O. Drawer 170, Artesia, NM 88211-0119

DISTRICT III

1000 Rio Hondo Rd., Artesia, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

PERMIT NO. 3-527

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT

Operator or Owner Meridian Oil Tank Address 7535 E. 30th, Farmington, NM

Location of Facility Name Klein Mesa Saltwater Evaporator Location Sec 3, T4N, R6W
U.L. - Sec. - Twp. - Rge.

OPERATION TO BE PERFORMED:

☒ Tank Cleaning ☐ Sediment Oil Removal ☐ Transportation of Miscellaneous Hydrocarbons

Operator or Owner Representative authorizing work Craig A. Burk

Date Work to be Performed Last week in January, First week in Feb.

TANK CLEANING DATA Tank Number N/A Volume 500 BBL

Tank Type Steel water Tank Volume Below Load Line 80 bbls

SEDIMENT OIL OR MISCELLANEOUS HYDROCARBON DATA

Sediment Oil From: ☐ PH ☐ Cellar ☐ Other

MISCELLANEOUS OIL

Tank Bottoms From: ☐ Pipeline Station ☐ Crude Terminal ☐ Refinery ☐ Other

Catchings From: ☐ Pipeline Station ☐ Gathering Lines ☒ Salt Water Disposal System ☐ Other

Pipeline Break Oil or Spill ☐

Other (Explain) Remains after hot oiling the tank. Semisolid with fibers and gravel. Too solid to cover cut.

VOLUME AND DESTINATION:

Estimated Volume 40 Bbls. Picked up volume of good oil N/A Bbls.

Destination (Name and Location of treating plant or other facility) Enviro-Tech Landfill Facility #2

DES

(Explain) ☐ PH ☐ Use on Roads or Highways ☒ Other

Location of Destination 1100 E. L. F. #2

Facility of Destination

CERTIFICATION: (APPLICATION MAY BE MADE BY EITHER OF THE FOLLOWING)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Owner Meridian Oil Tank

Transporter

By Craig A. Burk

Address

Title Environmental Representative

Signature

Date 1/31/96

Title Date

OIL CONSERVATION DIVISION

Approved By [Signature] Title Dist. Dir. Date 1/31/96

A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHICH IT IS DELIVERED.

DISTRIBUTION BY	
State	PH
Operator	
Transporter (S)	

202 P.02 13:17 No.002 P.02

525-505-326-9725

MERIDIAN FARMINGTON

202 P.04 14:44 No.004 P.04

525-505-326-9725

MERIDIAN-FARMINGTON

175

MERIDIAN OIL

ENVIRONMENTAL/SAFETY DEPARTMENT

3535 East 30th Street, Farmington NM 87401

P.O. Box 4289, Farmington, NM 87499

(505) 326-9700 Fax: (505) 326-9725

DATE: 2/2/96

TO: Harlin

COMPANY: Envirotech Landfarm

FAX: 632-1865

FROM: Craig A. Bock

NO. OF PAGES (including cover): 4

COMMENTS OR SPECIAL INSTRUCTIONS:

Please complete the Exempt Waste Manifest and send it back to MOI (Fax #
326-9725)

Klein Mesa tank bottoms are semi-solid and will require solidification. The
waste contains oil, sediment and fiber left over from the evaporation of
produced water.

Please call me at 326-9537 if you have any questions.

Please call (505) 326-9506 or 326-4055 for fax transmission assistance.

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy

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

Department

Form C-138
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

92125

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ D.F. 1/5/96	4. Generator <i>Meridian Val Verde Plant</i>
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site <i>Val Verde Plant</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	6. Transporter <i>Envirotech Inc</i>
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	8. State <i>NM</i>
7. Location of Material (Street Address or ULSTR) <i>Val Verde Plant</i>	
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. 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:

Continuation of Charcoal filter Media

1/5/96

BOL: 9014

1f2/D21

RECEIVED
FEB - 8 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 16 cy Known Volume (to be entered by the operator at the end of the haul) 16 cy

SIGNATURE: *Robert M. Young* TITLE: Landfarm Supervisor DATE: 2/6/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Denny G. Fort* TITLE: Geologist DATE: 2/8/96

APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant
Source: Charcoal Filter Media
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name Matthews J. McEnany
Title/Agency Environmental Representative
Address P.O. Box 4289
Farmington New Mexico 87499-4289
Signature *Matthews J. McEnany*
Date 1/5/96

Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87489

Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 15-16 Cubic Yards Barrels Gallons
3. Description of Waste: Charcoal Filter Media
4. Method of Waste Generation: Charcoal is used to filter the MDEA at the plant. MDEA is used to remove CO2 from the gas stream.
5. Disposal Facility: Envirotech
6. Disposal Cost: \$16,443
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

(signature)

Date

1/5/96

MOI
Representative

Transportation Company: Envirotech

Date(s) Transported: 1-5-96

MOI Representative on Site

(signature)

Date

1-5-95

Disposal Facility
Complete and
return to
Meridian
Safety and
Environmental
with Invoice.

Date(s) Received: 1-5-96

Total Volume Received: 16 yd

Waste Location: Cell/Grid No.

Received By:

(signature)

P. O. Box 140
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Department

Form C-13
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Df. 2/7/96 Verbal Approval Received: Yes ☒ No ☐ 10:44 AM	4. Generator <u>Meridian Val Verde Plant</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	5. Originating Site <u>Val Verde Plant</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	6. Transporter <u>ENVIROTECH</u>
7. Location of Material (Street Address or ULSTR) <u>Val Verde Plant</u>	8. State <u>NM</u>
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. ☐ 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:

Continuation of Charcoal Litter Media

LF 2
D 23

RECEIVED
FEB - 8 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 16 cy Known Volume (to be entered by the operator at the end of the haul) 14 cy

SIGNATURE: [Signature]
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 2/7/96

TYPE OR PRINT NAME: Robert M. Young

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: [Signature]

TITLE: Geologist

DATE: 2/8/96

APPROVED BY: _____

TITLE: _____

DATE: _____

ENVIROTECH INC.

92197

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant
Source: Amine Charcoal Filtration for CO₂ Removal
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Environmental Representative
Address P.O. Box 4289
Farmington New Mexico 87499-4289
Signature Craig A. Bock
Date 2/7/96

Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

92197

Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 14 Cubic Yards Barrels Gallons
3. Description of Waste: Charcoal Filter Media
4. Method of Waste Generation: Charcoal is used to filter the MDEA at the plant. MDEA is used to remove CO2 from the gas stream.
5. Disposal Facility: Envirotech
6. Disposal Cost: 16 1/4
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal *C. J. B. B.* Date 2/7/96
(signature)

MOI
Representative

Transportation Company:
Date(s) Transported:
MOI Representative on Site Date
(signature)

Disposal Facility
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received:
Total Volume Received:
Waste Location : Cell/Grid No.
Received By :
(signature)

Office I - (505) 393-6161
O. Box 1940
Albuquerque, NM 88241-1980
Office II - (505) 748-1283
1 S. First
Albuquerque, NM 88210
Office III - (505) 334-6178
100 Rio Brazos Road
Albuquerque, NM 87410
Office IV - (505) 827-7131

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

ENT Roger Anderson
Form C-13
Originated 4/18/95
Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HARBURTON</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>4109 E Main Farm</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>4109 E Main, Farmington, NM</u>	
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. 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. <u>Feb 196 1997</u> <u>San Jose</u>	

BRIEF DESCRIPTION OF MATERIAL:

wash Bay salvage, TC & P attached

LF2
D17

RECEIVED
FEB - 9 1996

OIL CON. DIV.

RECEIVED
FEB - 1 1996

OIL CON. DIV.
DIST. 3 20

Estimated Volume 20-40 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1/30/96
Waste Management Facility Authorized Agent
PE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Faust TITLE: Geologist DATE: 2/2/96
APPROVED BY: C. E. Eustice TITLE: _____ DATE: _____

District I - (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/1

Submit Original
Plus 1 Copy
to appropriate
District Office

92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HAQUI BURTON</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>4109 E Main Farmington, NM</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>4109 E Main, Farmington, NM</u>	
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. 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. <u>Feb 1/95-96</u>	

BRIEF DESCRIPTION OF MATERIAL:

wash Bay silt/sediment; TC & P attached

RECEIVED
FEB - 1 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20-40 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1/30/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Dennis G. Kent TITLE: Geologist DATE: 2/2/96
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

92132

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Energy Services 4109 E Main, Farmington

Source: WASH BAY SOLIDS

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for HALLIBURTON ENERGY SERV. concur with the status of the waste from the subject site.

Name RJ GREENAKER
Title/Agency EQUIPMENT
SERVICE OPERATOR
Address 4109 E. MAIN ST.
FARMINGTON, NM
Signature RJ Greenaker
Date Jan 30, 1996

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Signed

RJ Greenaker

Date of TCLP

10/11/95

Name

RJ GREENAKER

Title/Agency

EQUIP. SERV. OP.

Address

4109 E. MAIN ST.FARMINGTON

Signature

Date

Feb 1, 1996

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Lab ID#:	9148	Date Sampled:	10-04-95
Sample Matrix:	Soil	Date Received:	10-04-95
Preservative:	Cool	Date Analyzed:	10-04-95
Condition:	Cool & Intact	Chain of Custody:	4508

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 5.46

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

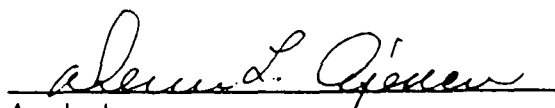
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

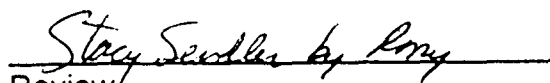
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Analyzed:	10-11-95
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.40	0.01	100
Cadmium	0.011	0.001	1.00
Chromium	0.017	0.001	5.00
Lead	0.343	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

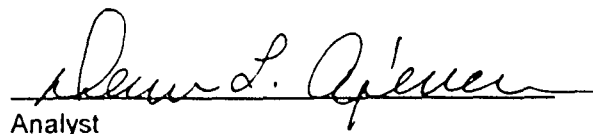
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

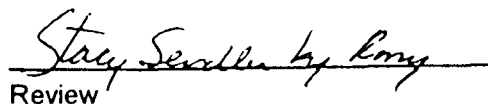
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

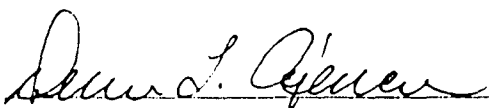
ND - Parameter not detected at the stated detection limit.

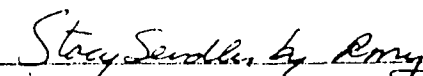
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **4109 E. Main, Farmington, NM.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

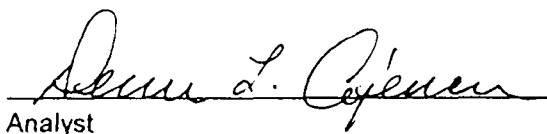
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

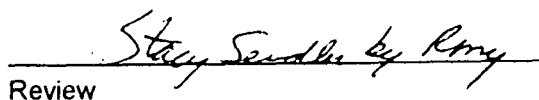
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **4109 E. Main, Farmington, NM.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

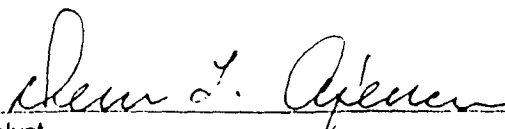
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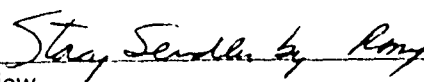
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 10-06-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-10-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 10-06-95
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

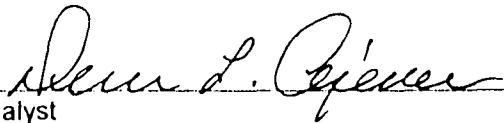
ND - Parameter not detected at the stated detection limit.

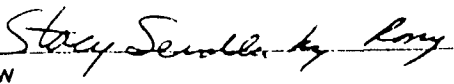
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool and Intact	Date Analyzed:	10-06-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
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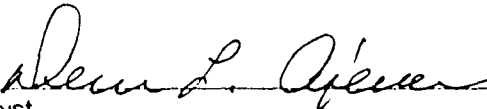
2-fluorobiphenyl

97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090

Nitroaromatics and Cyclic Ketones

TCLP Base/Neutral Organics

QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	10-04-95
Condition:	N/A	Date Analyzed:	10-06-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.024
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

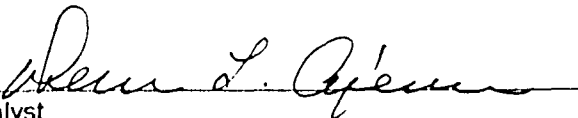
ND - Parameter not detected at the stated detection limit.

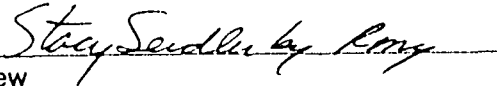
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	10-11-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

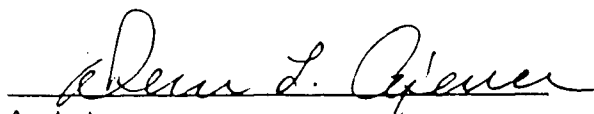
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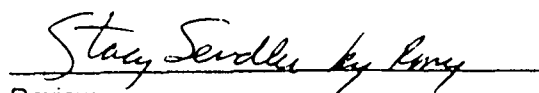
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: **QA/QC for sample 9148, 9171 and 9206.**


Analyst


Review

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.40	1.42	1.4%
Cadmium	0.011	0.011	0.0%
Chromium	0.017	0.016	6.1%
Lead	0.343	0.341	0.6%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

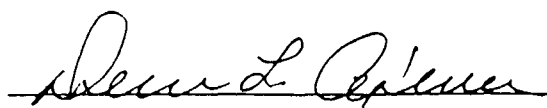
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

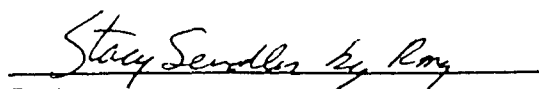
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.099	99%
Barium	1.00	1.40	2.39	100%
Cadmium	0.100	0.011	0.111	100%
Chromium	0.100	0.017	0.117	100%
Lead	0.100	0.343	0.444	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.100	100%
Silver	1.0	ND	0.99	99%

ND - Parameter not detected at the stated detection limit.

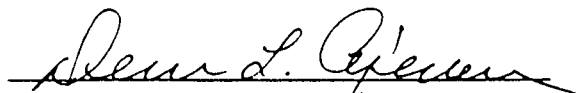
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

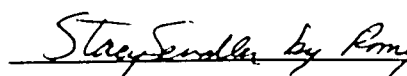
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

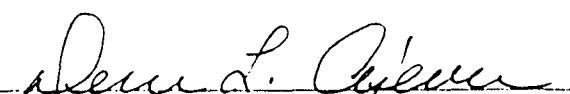
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-06-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

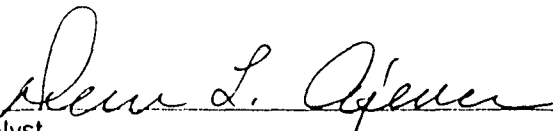
ND - Parameter not detected at the stated detection limit.

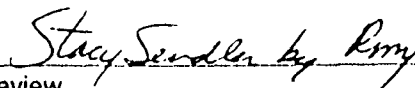
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

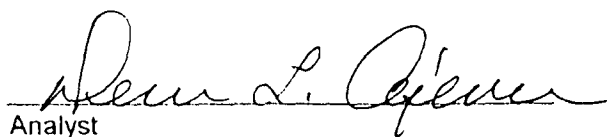
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

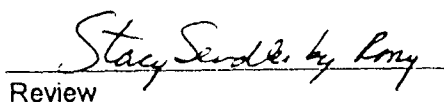
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

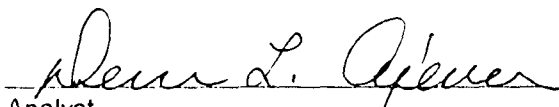
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

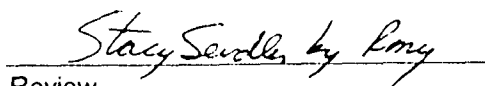
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0194	0.0002	94%	28-163
1,1-Dichloroethene	ND	0.020	0.0204	0.0002	100%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0001	98%	47-132
Chloroform	ND	0.020	0.0202	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0199	0.0001	98%	43-143
Benzene	ND	0.020	0.0196	0.0001	98%	39-150
1,2-Dichloroethane	ND	0.020	0.0200	0.0001	100%	51-147
Trichloroethene	ND	0.020	0.0202	0.0003	100%	35-146
Tetrachloroethene	ND	0.020	0.0198	0.0002	99%	26-162
Chlorobenzene	ND	0.020	0.0199	0.0001	98%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0199	0.0001	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-09-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-09-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	99 %

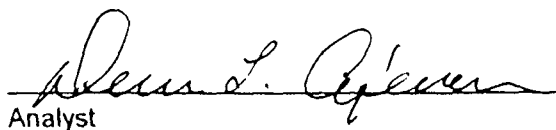
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

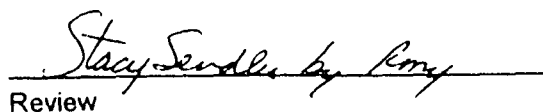
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

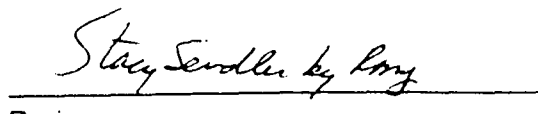
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.021	0.0%
2,4,5-Trichlorophenol	ND	ND	0.021	0.0%
Pentachlorophenol	ND	ND	0.160	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

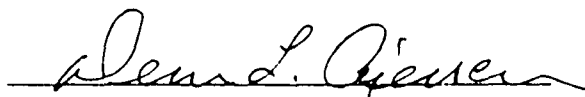
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

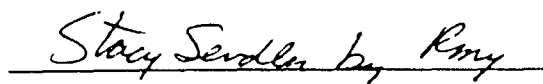
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Halliburton</i>			Project Location <i>4109 E Main f.m.t. N.M.</i>		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>[Signature]</i>			Chain of Custody Tape No. <i>92132</i>		No. of Containers <i>1</i>	<i>TCL Pw/10 P₁H</i>	<i>ACAA</i>					Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>Wash bay Solids</i>	<i>10/4/95</i>	<i>11:15</i>	<i>9148</i>	<i>Soil</i>								
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

Box 1950
Albuquerque, NM 88241-1980
Tel: (505) 748-1283
S. First
Albuquerque, NM 88210
Dist. III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
Dist. IV - (505) 827-7131

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

CLIENT Roger Anderson
Form C-138
Originated 4/18/95
Submit Original
Plus 1 Copy
to appropriate
District Office
RECEIVED
FEB - 9 1996
OIL CON. DIV.
DIST. 3

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>CUD PRESSURE CONTROL</u> <u>M6 TAXIDERM</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>1235 AZTEC BLVD NE</u> <u>AZTEC, NM</u>
2. Management Facility Destination <u>Envirotech Soil Remediation</u> <u>Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>AZTEC, NEW MEXICO</u>
7. Location of Material (Street Address or ULSTR) <u>1235 AZTEC BLVD NE</u>	

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.
- (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:

CONTAMINATED SOIL EXCAVATED AND REMOVED CAUSED FROM DIESEL SPILL BY
CUD PRESSURE CONTROL TANKER TRUCK AT 1235 AZTEC BLVD NE. A COPY
OF ANALYTICAL RESULTS FOR TCEP AND TPH IS ATTACHED.

MC Taxidermy was in ancient
service station

RECEIVED
FEB - 1 1996

Estimated Volume 30 cy Known Volume (to be entered by the operator at the end of the haul) 86cy
OIL CON. DIV.
DIST. 3

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1/31/96
Waste Management Facility Authorized Agent
PE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Furr TITLE: Geologist DATE: 2/2/96
APPROVED BY: [Signature] TITLE: GEOLOGIST DATE: 2/5/96

P.O. 1940
Hobbs, NM 88241-1980
District III - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-138
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator CUDD PRESSURE CONTROL M6 TAXIDERMY
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site 1235 AZTEC BLVD. NE AZTEC, NM
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State AZTEC, NEW MEXICO
7. Location of Material (Street Address or ULSTR) 1235 AZTEC BLVD. NE	
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. 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:

CONTAMINATED SOIL EXCAVATED AND REMOVED CAUSED FROM DIESEL SPILL BY
CUDD PRESSURE CONTROL TANKER TRUCK AT 1235 AZTEC BLVD. NE. A COPY
OF ANALYTICAL RESULTS FOR TLLP AND TPH IS ATTACHED.

M6 Taxidermy was in ancient
service station

RECEIVED
FEB - 1 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 30 cy Known Volume (to be entered by the operator at the end of the haul)
SIGNATURE: Robert M. Young per RMY TITLE: Landfarm Supervisor DATE: 1/31/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny J. Fawcett TITLE: Geologist DATE: 2/2/96
APPROVED BY: _____ TITLE: _____ DATE: _____

905-632-1865 ENVIROTECH INC

566 P02 JAN 31 '96 10:39

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

505 632-1865

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Cudd Pressure/MG TAXIDERM, 1235 AZTEC BLVD NE, AZTEC, NM

Source: EXCAVATED SOIL FROM TANKER TRUCK SPILL

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for X Cudd Pressure Control concur with the status of the waste from the subject site.

Name Cudd Pressure Control/MG TAXIDERM
Title/Agency _____

Address 1235 AZTEC BLVD. NE
AZTEC, NEW MEXICO

Signature X Paul H. Allen

Date 1-31-96

Client:	Cudd Pressure Control	Project #:	91406-03
Sample ID:	5 Pt. Composite	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	01-19-96
Chain of Custody:	4678	Date Received:	01-19-96
Sample Matrix:	Soil	Date Extracted:	01-22-96
Preservative:	Cool	Date Analyzed:	01-25-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0002	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0005	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

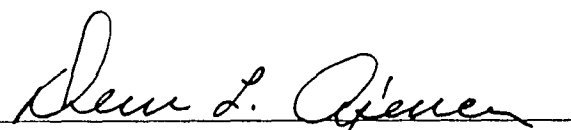
ND - Parameter not detected at the stated detection limit.

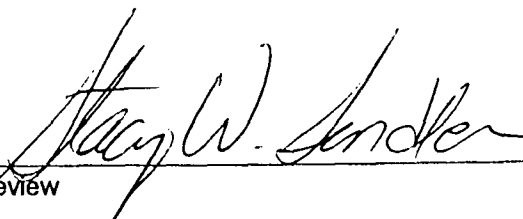
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	93%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **MG Taxidermy, Aztec, NM.**


Analyst


Review

Client:	Cudd Pressure Control	Project #:	91406-03
Sample ID:	5 pt Composite	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	01-19-96
Chain of Custody:	4678	Date Received:	01-19-96
Sample Matrix:	Soil	Date Extracted:	01-22-96
Preservative:	Cool	Date Analyzed:	01-25-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	101%
	2,4,6-Tribromophenol	95%

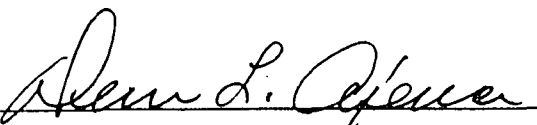
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

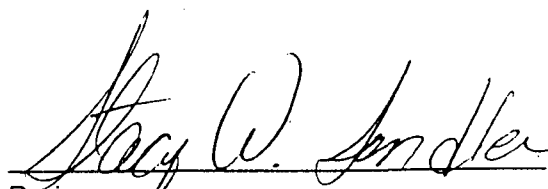
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **MG Taxidermy, Aztec, NM.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090 Nitroaromatics and Cyclic Ketones TCLP Base/Neutral Organics

Client:	Cudd Pressure Control	Project #:	91406-03
Sample ID:	5 Point Composite	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	01-19-96
Chain of Custody:	4678	Date Received:	01-19-96
Sample Matrix:	Soil	Date Extracted:	01-22-96
Preservative:	Cool	Date Analyzed:	01-25-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

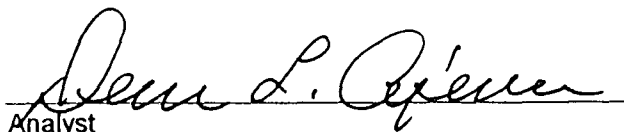
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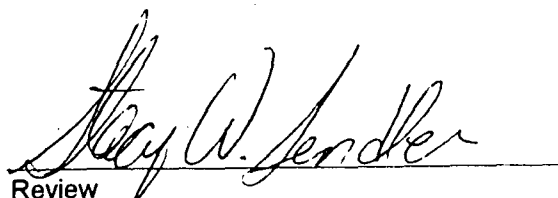
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **MG Taxidermy, Aztec, NM.**


Analyst


Review

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0 ✓	D004	Hexachlorobenzene	0.13 ✓	D032
* Barium	100.0 ✓	D005	Hexachlorobutadiene	0.5 ✓	D033
Benzene	0.5 ✓	D018	Hexachloroethane	3.0 ✓	D034
* Cadmium	1.0 ✓	D006	* Lead	5.0 ✓	D008
Carbon Tetrachloride	0.5 ✓	D019	* Lindane	0.4 ✓	D013 Pesticide
PESTICIDE Chlordane	0.03 ✓	D020	* Mercury	0.2 ✓	D009
Chlorobenzene	100.0 ✓	D021	* Methoxychlor	10.0 ✓	D014 Pesticide
Chloroform	6.0 ✓	D022	Methyl ethyl ketone	200.0 ✓	D035
* Chromium	5.0 ✓	D007	Nitrobenzene	2.0 ✓	D036
Cresol	200.0 ✓	D026	Pentachlorophenol	100.0 ✓	D037
m-Cresol	200.0 ✓	D024	Pyridine	5.0 ✓	D038
o-Cresol	200.0 ✓	D023	* Selenium	1.0 ✓	D010
p-Cresol	200.0 ✓	D025	* Silver	5.0 ✓	D011
HERBICIDE * 2,4-D	10.0 ✓	D016	* 2,4,5-TP (Silvex)	1.0 ✓	D017 HERBICIDE
1,4-Dichlorobenzene	7.5 ✓	D027	Tetrachloroethylene	0.7 ✓	D039
1,2-Dichloroethane	0.5 ✓	D028	* Toxaphene	0.5 ✓	D015 Pesticide
1,1-Dichloroethylene	0.7 ✓	D029	Trichloroethylene	0.5 ✓	D040
2,4-Dinitrotoluene	0.13	D030	2,4,5-Trichlorophenol	400.0 ✓	D041
PESTICIDE * Endrin	0.02	D012	2,4,6-Trichlorophenol	2.0 ✓	D042
PESTICIDE Heptachlor	0.008	D031	Vinyl chloride	0.2 ✓	D043

*-EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Cudd Pressure Control	Project #:	91406-03
Sample ID:	5 Pt. Composite	Date Reported:	01-29-96
Laboratory Number:	9950	Date Sampled:	01-19-96
Chain of Custody:	4678	Date Received:	01-19-96
Sample Matrix:	Soil	Date Analyzed:	01-29-96
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.19	0.01	100
Cadmium	0.009	0.001	1.00
Chromium	0.001	0.001	5.00
Lead	0.021	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

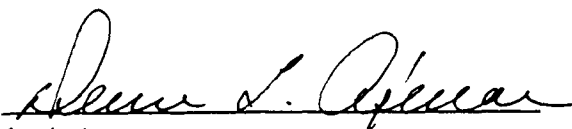
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

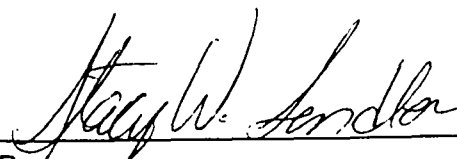
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **MG Taxidermy, Aztec, NM.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Cudd Pressure Control	Project #:	91406-03
Sample ID:	5 Pt. Composite	Date Reported:	01-29-96
Lab ID#:	9950	Date Sampled:	01-19-96
Sample Matrix:	Soil	Date Received:	01-19-96
Preservative:	Cool	Date Analyzed:	01-22-96
Condition:	Cool & Intact	Chain of Custody:	4678

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 8.24

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

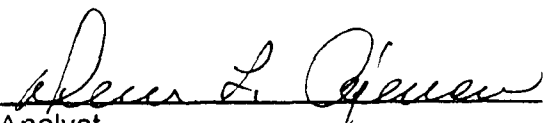
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

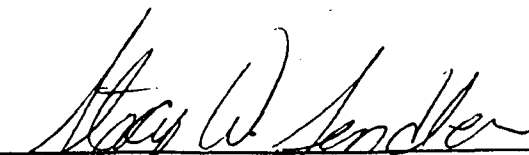
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: MG Taxidermy, Aztec, NM.


Analyst


Review

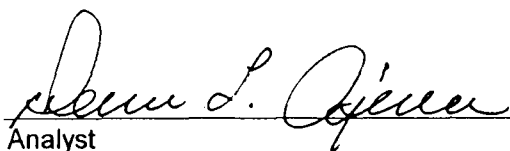
Client:	Cudd Pressure Control	Project #:	91406-03
Sample ID:	TB - 1 @ 2.8'	Date Reported:	01-22-96
Laboratory Number:	9948	Date Sampled:	01-19-96
Chain of Custody No:	4678	Date Received:	01-19-96
Sample Matrix:	Soil	Date Extracted:	01-22-96
Preservative:	Cool	Date Analyzed:	01-22-96
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	35	5

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: MG Taxidermy, Aztec, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Cudd Pressure Control	Project #:	91406-03
Sample ID:	TB - 2 @ 7'	Date Reported:	01-22-96
Laboratory Number:	9949	Date Sampled:	01-19-96
Chain of Custody No:	4678	Date Received:	01-19-96
Sample Matrix:	Soil	Date Extracted:	01-22-96
Preservative:	Cool	Date Analyzed:	01-22-96
Condition:	Cool and Intact	Analysis Needed:	TPH

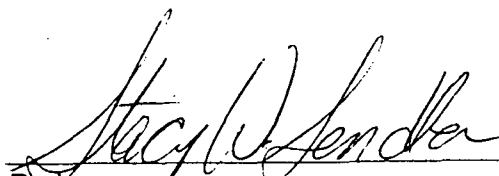
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	10	5

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **MG Taxidermy, Aztec, NM.**


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-26-96
Laboratory Number:	01-25-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-25-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0002	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0005	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

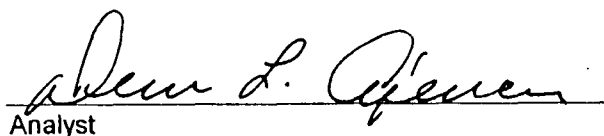
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-26-96
Laboratory Number:	01-22-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-25-96
Condition:	N/A	Date Extracted:	01-22-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0002	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0005	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

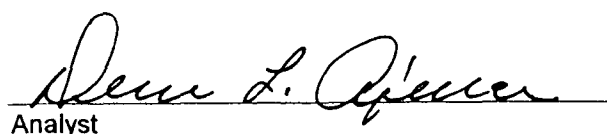
ND - Parameter not detected at the stated detection limit.

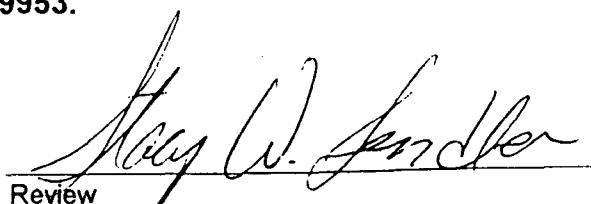
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

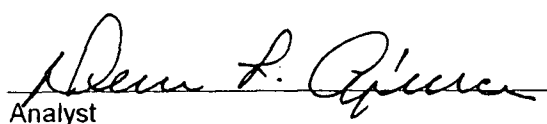
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-25-96
Condition:	N/A	Date Extracted:	01-22-96

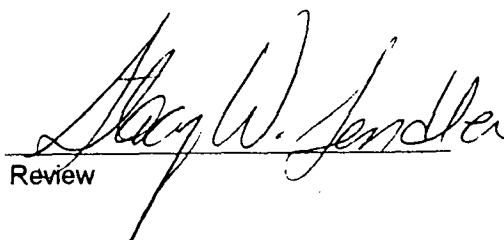
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0003	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0002	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0005	0.0%
Trichloroethene	ND	ND	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

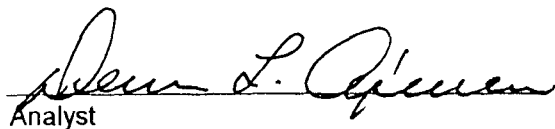
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-25-96
Condition:	N/A	Date Extracted:	01-22-96

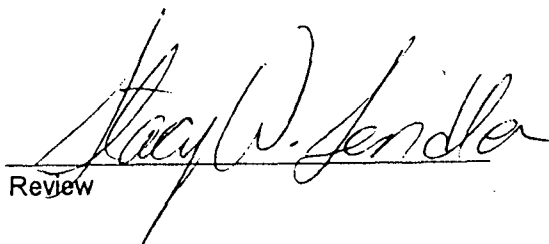
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0184	0.0003	87%	28-163
1,1-Dichloroethene	ND	0.020	0.0201	0.0002	83%	43-143
2-Butanone (MEK)	ND	0.020	0.0199	0.0001	97%	47-132
Chloroform	ND	0.020	0.0194	0.0002	97%	49-133
Carbon Tetrachloride	ND	0.020	0.0192	0.0002	96%	43-143
Benzene	ND	0.020	0.0180	0.0001	89%	39-150
1,2-Dichloroethane	ND	0.020	0.0195	0.0005	97%	51-147
Trichloroethene	ND	0.020	0.0189	0.0001	92%	35-146
Tetrachloroethene	ND	0.020	0.0199	0.0002	97%	26-162
Chlorobenzene	ND	0.020	0.0193	0.0001	96%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0222	0.0001	97%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-26-96
Laboratory Number:	01-25-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-25-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	102 %
	2,4,6-tribromophenol	104 %

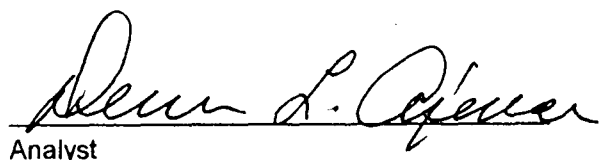
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

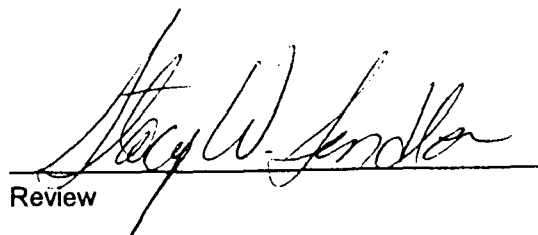
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-26-96
Laboratory Number:	01-22-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool & Intact	Date Analyzed:	01-25-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	101%
	2,4,6-Tribromophenol	103%

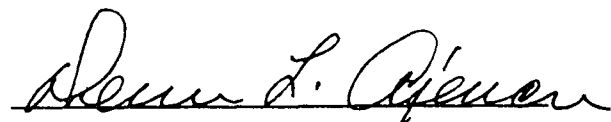
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

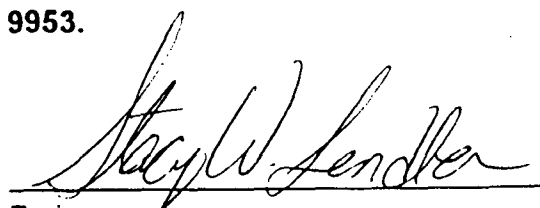
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-26-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool & Intact	Date Analyzed:	01-25-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.021	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.021	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

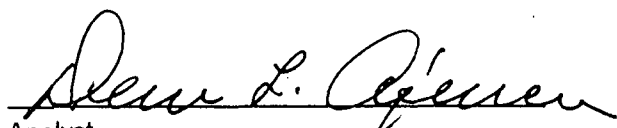
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

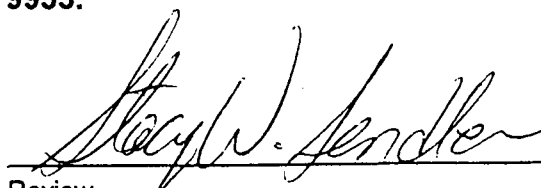
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

225

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-26-96
Laboratory Number:	01-25-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	01-25-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

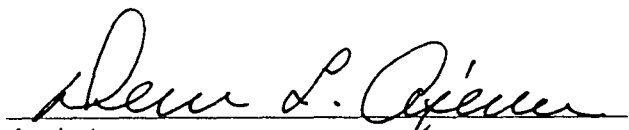
ND - Parameter not detected at the stated detection limit.

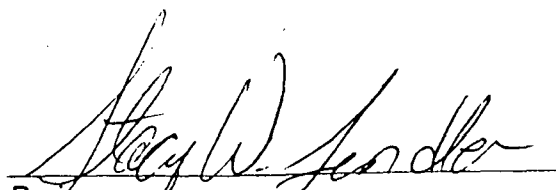
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 01-22-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 01-26-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-22-96
Date Analyzed: 01-25-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

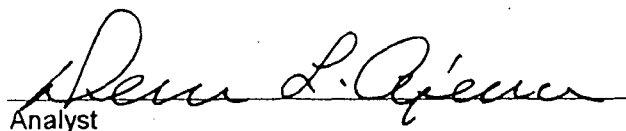
ND - Parameter not detected at the stated detection limit.

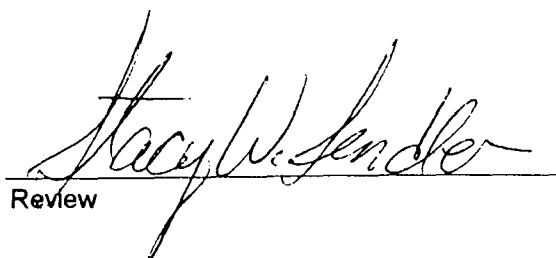
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 9950
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 01-26-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-22-96
Date Analyzed: 01-25-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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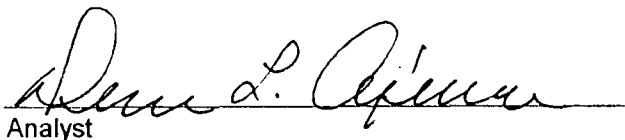
8090 Compounds

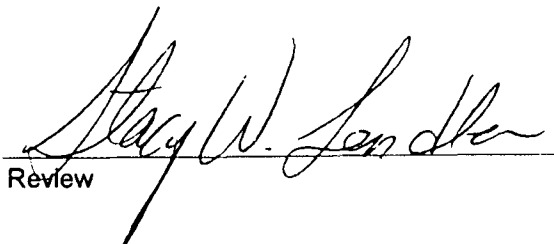
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9950, 9951 and 9953.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	01-29-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-29-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

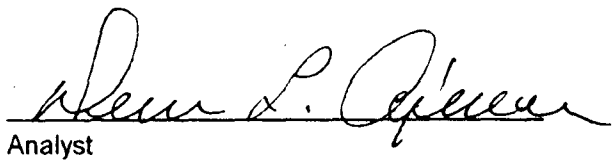
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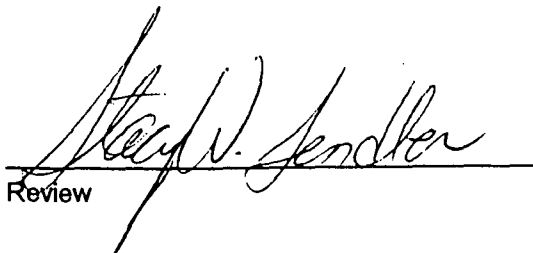
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 9950, 9951 and 9953..


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-29-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-29-96
Condition:	N/A	Date Extracted:	01-22-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.19	1.19	0.0%
Cadmium	0.009	0.010	10.5%
Chromium	0.001	0.001	0.0%
Lead	0.021	0.021	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

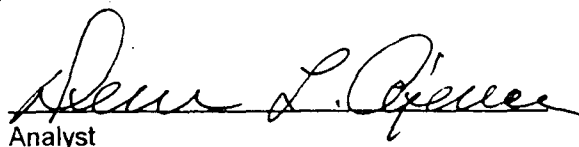
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

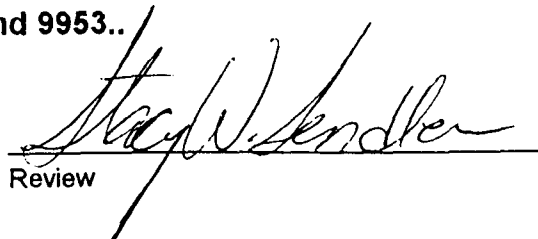
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 9950, 9951 and 9953..


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	01-29-96
Laboratory Number:	9950	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-29-96
Condition:	N/A	Date Extracted:	01-22-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.099	99%
Barium	1.00	1.19	2.20	100%
Cadmium	0.100	0.009	0.110	101%
Chromium	0.100	0.001	0.101	100%
Lead	0.100	0.021	0.121	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.099	99%
Silver	1.0	ND	0.99	99%

ND - Parameter not detected at the stated detection limit.

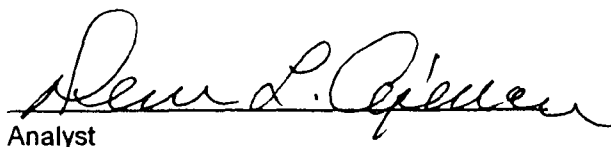
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

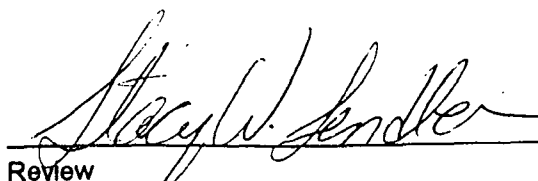
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 9950, 9951 and 9953..


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

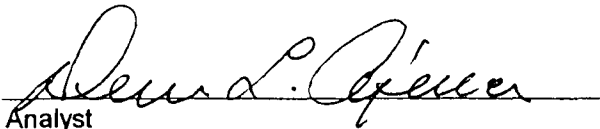
Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-22-96
Laboratory Number:	01-22-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Received:	N/A
Preservative:	N/A	Date Extracted:	01-22-96
Condition:	N/A	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for samples 9948 - 9949.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QA/QC - MATRIX DUPLICATE

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-22-96
Laboratory Number:	9948	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-22-96
Condition:	Cool & Intact	Date Analyzed:	01-22-96
		Analysis Needed:	TPH

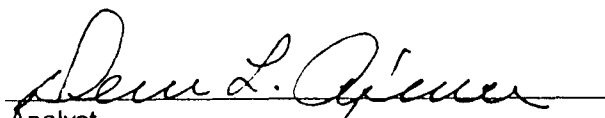
Parameter	Concentration (mg/Kg)		Dilution Factor	Det. Limit (mg/Kg)	Percent Difference
	Sample	Duplicate			
Total Petroleum Hydrocarbons	35	34	1	5	2.9%

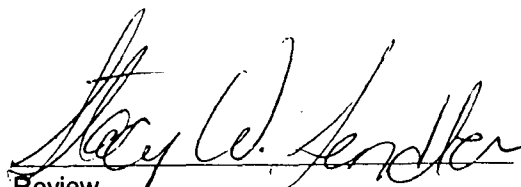
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria: Administrative control limit set
at maximum of 30% difference.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water
and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for samples 9948 - 9949.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QA/QC - MATRIX SPIKE

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	01-22-96
Laboratory Number:	9948	Date Sampled::	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Extracted:	01-22-96
		Date Analyzed:	01-22-96

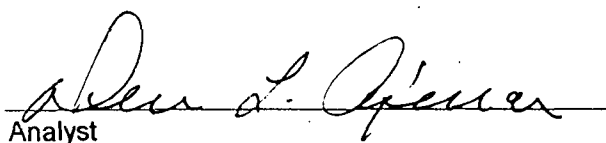
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spike Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	35	1,988	1,940	5	96%

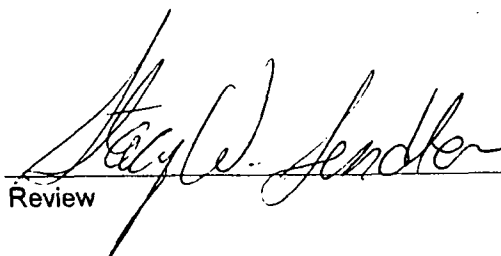
ND = Parameter not detected at the stated detection limit.

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range
	Total Petroleum Hydrocarbons	80 - 120%

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for samples 9948 - 9949.


Analyst


Review

CHAIN OF CUSTODY RECORD

[illegible]

SF 1/26/90

District I - (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy

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

CLIENT

Form C-138
Originated 4/18/91

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Coastal Chem. Co.</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>Coastal Chem. Yard.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>COASTAL</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>#10 County Road 5915</u>	
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. 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:

Soil contaminated w/ New Diesel oil @ site.
MSDS attached.

RECEIVED
JAN 26 1996
OIL CON. DIV.
DIST. 3

Sent to OCB
1/26/96

Estimated Volume 6 DRUMS cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1-25-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Z. Hunt TITLE: Geologist DATE: 1/26/96

APPROVED BY: _____ TITLE: _____ DATE: _____

Santa Fe 1/26/96

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

95-007

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: COASTAL CHEMICAL CO. INC., #10 CR 5911, FARMINGTON
Source: DIESEL FUEL LEAK NM. 87401

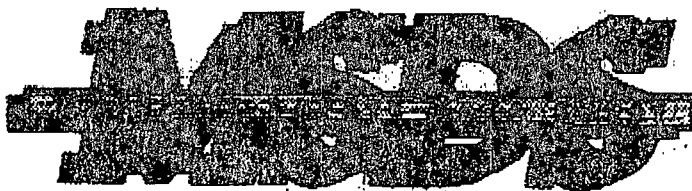
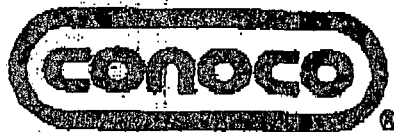
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for COASTAL CHEMICAL CO. INC. concur with the status of the waste from the subject site.

Name MICHAEL REAMS
Title/Agency FACILITY MANAGER
Address #10 CR 591
FARMINGTON, NM. 87401
Signature Michael Reams
Date 1-25-96

g5007



GASCO210

Revised 12-JAN-1984

Printed 3-JAN-1986

No. 1 Diesel Fuel, No. 1 Fuel Oil

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Trademarks and Synonyms

Fuel Oil, No. 1

Diesel Fuel, No. 1

Diesel Fuel, No. 1, Low Sulfur

Kerosene, Low Sulfur

3501, 3511, 3554, 4195 - Conoco Product Codes

Company Identification

MANUFACTURER/DISTRIBUTOR

CONOCO INC.

P.O. BOX 2197

HOUSTON, TX 77252

PHONE NUMBERS

Product Information

1-713-293-5550

Transport Emergency

CHEMTREC 1-800-424-9300

Medical Emergency

1-800-441-3837

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material

CAS Number

%

Straight Run Kerosene

8008-20-6

and/or

Hydrodesulfurized Kerosene

64742-81-0

Petroleum distillate exposure limit applies.

(Continued)

95007

HAZARDS IDENTIFICATION**Potential Health Effects****Substance Information****Primary Routes of Entry:** Skin, inhalation

The product may cause irritation to the eyes, nose, throat, lungs, and skin after prolonged or repeated exposure. Extreme overexposure or aspiration into the lungs may cause lung damage or death. Overexposure may cause weakness, headache, nausea, confusion, blurred vision, drowsiness, and other nervous system effects; greater overexposure may cause dizziness, slurred speech, flushed face, aortic plaques, heart beat irregularities, unconsciousness, and convulsions.

Pulmonary fibrosis has been reported in cable plant workers exposed to mist and vapors of mineral oils and kerosene for 5-35 years. Because of mixed exposures to mineral oils as well as kerosene, it is difficult to attribute these effects to kerosene alone.

Individuals with pre-existing diseases of the lungs, liver, or kidneys may have increased susceptibility to the toxicity of excessive exposures.

Combustion Product:

Carbon monoxide is a gas that can result from incomplete combustion of hydrocarbons, from detoxification of some chemicals like methylene chloride, tobacco smoke, and even from natural body processes. Carbon monoxide binds tightly to hemoglobin and interferes with oxygen transport to body tissues. Overexposure can cause headache, nausea, nervous system depression, coma, and death.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES**First Aid
INHALATION**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

Wash skin thoroughly with soap and water. If irritation develops and persists, consult a physician.

(Continued)

95007

FIRST AID MEASURES (Continued)**EYE CONTACT**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

Notes to Physicians

Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia.

FIRE FIGHTING MEASURES**Flammable Properties**

Flash Point	115 F (46 C)
Method	TCC
Flammable limits in Air, % by Volume	
LEL	0.5
UEL	6
Autoignition	410 F (210 C)

NFPA Classification Class II Combustible Liquid.

Vapor forms explosive mixture with air. Vapors or gases may travel considerable distances to ignition source and flash back.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for personnel attempting to stop a leak. Water spray may be used to flush spills away from sources of potential ignition.

Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. Do not enter enclosed or confined space without proper protective equipment including respiratory protection.

(Continued)

95007

HEALTH HAZARD INFORMATION (continued)**Decomposition Products:**

Studies in mice and rats have shown that chronic exposure (8 hours/day, 7 days/week, 24 months) to unfiltered diesel exhaust produced tumors of the lung and also lymphomas. On the basis of these studies, NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.

Carbon monoxide is a gas that can result from incomplete combustion of hydrocarbons, from detoxification of some chemicals like methylene chloride, tobacco smoke, and even even from natural body processes. Carbon monoxide binds tightly to hemoglobin and interferes with oxygen transport to body tissues. Overexposure can cause headache, nausea, nervous system depression, coma, and death.

Carcinogenicity	None of the components in this material is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.
Exposure Limits	
No. 1 Diesel Fuel, No. 1 Fuel Oil	
TLV (ACGIH)	None Established
PEL (OSHA)	None Established
Safety Precautions	Avoid breathing vapors or mist. Wash thoroughly after handling. Wash clothing after use.

FIRST AID

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Skin Contact	Wash skin thoroughly with soap and water after handling. If irritation develops, consult a physician.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Ingestion	If swallowed, do not induce vomiting. Immediately give two glasses of water. Never give anything by mouth to an unconscious person. Call a physician.
Notes to Physician	Activated charcoal slurry may be administered. To prepare activated charcoal slurry, suspend 50 grams activated charcoal in 400mL water and mix thoroughly. Administer 5mL/kg, or 350mL for an average adult. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. Activated charcoal may induce vomiting, but may be given after emesis or lavage to absorb toxic additives. Steroid therapy in mild to moderate cases does not improve outcome. Bacterial pneumonia often occurs after exposure, but prophylactic antibiotics are not indicated and should be reserved for documented bacterial pneumonia.

(continued)

95007

EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

skin contact. NBR or neoprene recommended.

EYE/FACE PROTECTION

Wear safety glasses. Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of material.

OTHER PROTECTIVE EQUIPMENT

Coveralls with long sleeves if splashing is probable. Launder contaminated clothing before reuse. Extremely contaminated leather shoes should be discarded.

Exposure Guidelines**Applicable Exposure Limits**

Petroleum distillate exposure limit applies.

PEL (OSHA)	500 ppm, 2000 mg/m ³ , 8 Hr. TWA
TLV (ACGIH)	None Established
AEL * (Du Pont)	None Established

* AEL is Du Pont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES**Physical Data**

Boiling Point	330-572 F (166-300 C)
Vapor Pressure	2 mm Hg @ 68 F (20 C)
Vapor Density	>1 (Air = 1)
% Volatiles	(by volume) Nil
Solubility in Water	Insoluble
Odor	Paraffinic
Form	Liquid
Specific Gravity	0.81

Color : Undyed (clear or straw-colored)
Low sulfur diesel may be dyed red.

STABILITY AND REACTIVITY**Chemical Stability**

Stable at normal temperatures and storage conditions.

Conditions to Avoid

Avoid heat, sparks, and flame.

Incompatibility with Other Materials

Incompatible with oxidizing materials.

Decomposition

Incomplete combustion may produce carbon monoxide.

Polymerization

Polymerization will not occur.

(Continued)

95007

TOXICOLOGICAL INFORMATION**Animal Data**

Animal studies have shown that prolonged or repeated inhalation exposures to high concentrations of some petroleum distillates have caused liver tumors in mice and kidney damage and tumors in male rats. However, kidney effects were not seen in similar studies involving female rats, guinea pigs, dogs, or monkeys. Present studies indicate the kidney effects will only occur in male rats. Also, human studies do not indicate this peculiar sensitivity for kidney damage and studies reported in 1992 showed that this particular type of rat kidney damage is not useful in predicting a human health hazard. The significance of liver tumors in mice exposed to high doses of chemicals is highly speculative and probably not a good indicator for predicting a potential human carcinogenic hazard.

Mouse skin painting studies have shown that petroleum middle distillates (boiling range 100-700 F; naphtha, jet fuel, diesel fuel, kerosene, etc.) can cause skin cancer when repeatedly applied and never washed from the animal's skin. The relative significance of this to human health is uncertain since the petroleum distillates were not washed from the skin and resulting skin effects (irritation, cell damage, etc.) may play a role in the tumorigenic response. A few studies have shown that washing the animal's skin with soap and water between treatments greatly reduces the carcinogenic effect of some petroleum oils. Other laboratory studies indicate that middle distillates caused the skin tumors by promoting, rather than initiating, the formation of tumors, so the effect is probably dose-related and low level exposure should not be carcinogenic.

Studies in mice and rats have shown that chronic exposure (8 hours/day, 7 days/week, 24 months) to unfiltered diesel exhaust produced tumors of the lungs and also lymphomas. On the basis of these studies, NIOSH recommends that whole diesel exhaust be regarded as a potential carcinogen.

DIESEL FUEL -

Skin : Extremely irritating; no mortality at 5 ml/kg, rabbit
Oral : LD50: 9 ml/kg, rat

DISPOSAL CONSIDERATIONS**Waste Disposal**

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

By itself, the liquid is expected to be a RCRA ignitable hazardous waste, when disposed.

(Continued)

95007

TRANSPORTATION INFORMATION**Shipping Information**
INTERNATIONAL HM-181

Proper Shipping Name	Gas Oil
Hazard Class	3
UN/NA Number	UN 1202
Packing Group	III
Label	Flammable liquid
Placard	Flammable

DOMESTIC HM-181

Proper Shipping Name	Fuel oil (or) Diesel fuel
Hazard Class	Combustible liquid
UN/NA Number	NA 1993
Packing Group	III
Label	None
Placard	Combustible

Special Information:

Material must be shipped as a flammable liquid in accordance with the international description if shipped by vessel or air.

REGULATORY INFORMATION**U.S. Federal Regulations****OSHA HAZARD DETERMINATION**

This material is hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SUPERFUND

Not applicable; this material is covered by the CERCLA petroleum exclusion. Releases are not reportable.

SARA, TITLE III, 302/304

This material is not known to contain extremely hazardous substances.

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute	: Yes
Chronic	: Yes
Fire	: Yes
Reactivity	: No
Pressure	: No

SARA, TITLE III, 313

This material is not known to contain any chemical(s) at a level of 1.0% or greater (0.1% for carcinogens) on the list of Toxic Chemicals and subject to release reporting requirements.

TSCA

(Continued)

95007

REGULATORY INFORMATION(Continued)

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

RCRA

This material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable, or reactive according to U.S. definitions (40 CFR 261). This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it is a hazardous waste, regulations 40 CFR 262-266 and 268 may apply.

CLEAN WATER ACT

The material contains the following ingredient(s) which is considered hazardous if spilled into navigable waters and therefore reportable to the National Response Center (1-800-424-8802).

Ingredient(s)	Petroleum Hydrocarbons
Reportable Quantity	Film or sheen upon, or discoloration of, any water surface

State Regulations (U.S.)**CALIFORNIA "PROP 65"**

This material is not known to contain any ingredient(s) subject to the Act.

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT

This material may contain the following ingredient(s) subject to the Pennsylvania and Community Right to Know Hazardous Substances List.

Ingredient	Kerosene (Petroleum)
Category	Hazardous Substance

Canadian Regulations

CLASS B Division 3 - Combustible Liquid.

CLASS D Division 2 Subdivision B - Toxic Material. Chronic Toxic Effects.

Transport/Medical Emergency Phone Number: 1-613-348-3616

OTHER INFORMATION**NFPA, NPGA-HMIS****NFPA Rating**

Health

0

Flammability

2

Reactivity

0

NPGA-HMIS Rating

(Continued)

95007

OTHER INFORMATION (Continued)

Health	1
Flammability	2
Reactivity	0

Personal Protection rating to be supplied by user depending on use conditions.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS	MSDS Administrator
Address	Conoco Inc. PO Box 2197 Houston, TX 77252
Telephone	713/293-5550

Indicates updated section.

End of MSDS

Robbs, NM 88241-1980
District II - (505) 748-1283
S. First
Artesia, NM 88210
District III - (505) 934-6178
000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Department

Form C
Originated 4/

Submit On
Plus 1 C
to approp.
District O

95007

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Coastal Chem. Co.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Coastal Chem. Co.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>Coastal Chem. Co.</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>#10 County Rd. 5911</u>	
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. 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:

Sludge generated from west ^{water} area sump. Note:
sealed drums - NO change in waste character
since TCLP of 12/13/94. No addition to drums.
See TCLP and letter attached.

Landfarm II
E 17

RECEIVED
JAN 26 1996

OIL CON. DIV
DIST. 3 8 drums

Estimated Volume 6 open top Battered Drums - sludge
2 one pack drums - liquid/sludge Known Volume (to be entered by the operator at the end of the haul) 8 drums

SIGNATURE: Per RMY TITLE: Landfarm Supervisor DATE: _____
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615
RECEIVED
FEB - 7 1996

(This space for State Use)

APPROVED BY: Denny G. Fent TITLE: Geologist DATE: 1/26/96
APPROVED BY: Dis. Unit TITLE: GEOLOGIST DATE: 219

SF 1/26/96

District I - (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-138
Originated 4/18/91

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Coastal Chem. Co.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Coastal Chem Co.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>Coastal Chem Co.</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>#10 County Rd. 5911</u>	
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. 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:

Sludge generated from wash water
sealed drums - NO change in waste character
since TCLP of 12/13/94. No addition to drums.
See TCLP and letter attached.

RECEIVED
JAN 26 1996

OIL CON. DIV.
DIST. 3

6 open top belted Drums - sludge.
2 one pack drums - liquid/sludge
Estimated Volume cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE:
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Kent TITLE: Geologist DATE: 1/26/96

APPROVED BY: TITLE: DATE:

Santa Fe 1/26/96

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

95007

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: COASTAL CHEMICAL, #10 CR 5911, FARMINGTON, NM. 87401

Source: WASH WATER TANK WASHOUT

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for COASTAL CHEMICAL CO. INC. concur with the status of the waste from the subject site.

Name MICHAEL REAMS

Title/Agency FACILITY MANAGER

Address #10 CR 5911
FARMINGTON, NM. 87401

Signature Michael Reams

Date 1-25-96

**COASTAL CHEMICAL COMPANY, INC.**

95-007

To: Denny Foust
Oil Conservation
1000 Rio Brazos Rd.
Aztec, NM. 87410

From: Michael Reams
Coastal Chemical Co. Inc.

Date: January 26, 1996
Re: Waste Stream

Dear Denny, in regards to the waste stream of the eight drums of wash water slug, I am attempting to dispose of by means of Envirotech, I can personally guarantee these drums have not been open since the day they were filled. Therefore the integrity of the waste stream has not change in any way. If I can be of any further assistance fell free to call me.

Thank you for your help.

Michael Reams
Michael Reams
Facility Manager

xc: Gray Reid



Revised TCHP dated 12/13/94.

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0 ✓	D004	Hexachlorobenzene	0.13 ✓	D032
* Barium	100.0 ✓	D005	Hexachlorobutadiene	0.5 ✓	D033
Benzene	0.5 ✓	D018	Hexachloroethane	3.0 ✓	D034
* Cadmium	1.0 ✓	D006	* Lead	5.0 ✓	D008
Carbon Tetrachloride	0.5 ✓	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlorodane	0.03	D020	* Mercury	0.2 ✓	D009
Chlorobenzene	100.0 ✓	D021	* Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0 ✓	D022	Methyl ethyl ketone	200.0 ✓	D035
* Chromium	5.0	D007	Nitrobenzene	2.0 ✓	D036
Cresol	200.0	D026	Pentachlorophenol	100.0 ✓	D037
m-Cresol	200.0 ✓	D024	Pyridine	5.0 ✓	D038
o-Cresol	200.0 ✓	D023	* Selenium	1.0 ✓	D010
p-Cresol	200.0 ✓	D025	* Silver	5.0 ✓	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5 ✓	D027	Tetrachloroethylene	0.7 ✓	D039
1,2-Dichloroethane	0.5 ✓	D028	* Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7 ✓	D029	Trichloroethylene	0.5 ✓	D040
2,4-Dinitrotoluene	0.13 ✓	D030	2,4,5-Trichlorophenol	400.0 ✓	D041
PESTICIDE * Endrin	0.02	D012	2,4,6-Trichlorophenol	2.0 ✓	D042
PESTICIDE Heptachlor	0.008	D031	Vinyl chloride	0.2 ✓	D043

* -EP Toxic wastes; TCHP must now be utilized for characterizing these wastes

5
40

Order # 94-12-025
12/13/94 12:37

ENRECO LABORATORIES

Page 3

TEST METHODOLOGIES

TEST CODE : TCL_EL

TEST NAME : TCLP EXTRACTION

TCLP EXTRACTION : FEDERAL REGULATION; VOL 55, NO. 126,
APPENDIX II, METHOD 1311

TCLP LIQUID/LIQUID EXTRACTIONS PER SW846: 3RD EDITION
FOR SEMI-VOLATILE ANALYSES.

TEST CODE : TCL_EM

TEST NAME : TCLP EXTRACTION

TCLP EXTRACT DIGESTIONS OR DIGESTION FOR TCLP METALS:

SW846; 3RD EDITION 3010, TOTAL METALS DIGESTION FOR ICP
ANALYSIS (As, Ba, Cd, Cr, Pb, Se, Ag)

SW846; 3RD EDITION 7470, DIGESTION AND TOTAL Hg ANALYSIS
BY MANUAL COLD VAPOR AAS

SW846; 3RD EDITION 6010, ICP ANALYSIS

TEST CODE : TCL_EV

TEST NAME : TCLP EXTRACTION

TCLP EXTRACTION : FEDERAL REGULATION; VOL 55, NO. 126,
APPENDIX II, METHOD 1311

ZERO HEADSPACE EXTRACTION "ZHE"

TEST CODE : TCLP_M

TEST NAME : TCLP METALS ANALYSES

TCLP EXTRACTION : FEDERAL REGULATION; VOL 55, NO. 126,
APPENDIX II, METHOD 1311

SW846; 3RD EDITION 6010, TOTAL METALS BY ICP ANALYSIS
(As, Ba, Cd, Cr, Pb, Se, Ag)

SW846; 3RD EDITION 7470, TOTAL Hg ANALYSIS
BY MANUAL COLD VAPOR AAS

TEST CODE : TCLP_O

TEST NAME : TCLP ORGANICS

METHOD 8240/8270 GAS CHROMATOGRAPHY WITH MASS
SELECTIVE DETECTOR. SW-846 TEST METHODS FOR
EVALUATING SOLID WASTES.

DETECTION LIMIT FOR THESE SAMPLES ARE LISTED IN THE
LIMIT COLUMN OF THE INDIVIDUAL SAMPLES.

6661-A Canyon Drive
Amarillo, Texas 79110
Telephone (806) 353-4425
Facsimile (806) 352-6454
Toll Free 1-800-423-9443

9500

Order # 94-12-025
12/13/94 12:37

ENRECO LABORATORIES

Page 2

TEST RESULTS BY SAMPLE

Sample: 01A GLYCOL & AMINE WASH WATER Collected: 12/06/94 14:00

Job: TCLP TCLP COMPLETE W/O PEST/HRB

<u>Test Description</u>	<u>Result</u>	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>By</u>
TCLP EXTRACTION					
INITIAL pH	10.3			12/09/94	CS
FINAL pH	LIQUID				CS
TCLP METAL ANALYSIS					
ARSENIC	<0.2	0.2	mg/l	12/12/94	TH
BARIUM	<0.1	0.1	mg/l	12/12/94	TH
CADMIUM	<0.05	0.05	mg/l	12/12/94	TH
CHROMIUM	<0.05	0.05	mg/l	12/12/94	TH
LEAD	<0.05	0.05	mg/l	12/12/94	TH
MERCURY	0.005	0.002	mg/l	12/12/94	TH
SELENIUM	<0.2	0.2	mg/l	12/12/94	TH
SILVER	<0.05	0.05	mg/l	12/12/94	TH
TCLP ORGANICS					
BENZENE	<0.015	0.015	mg/l	12/09/94	LMW
CARBON TETRACHLORIDE	<0.015	0.015	mg/l	12/09/94	LMW
CHLOROBENZENE	<0.015	0.015	mg/l	12/09/94	LMW
CHLOROFORM	<0.015	0.015	mg/l	12/09/94	LMW
CRESOL(O,M,P)	<0.01	0.01	mg/l	12/09/94	LMW
1,4-DICHLOROBENZENE	<0.015	0.015	mg/l	12/09/94	LMW
1,2-DICHLOROETHANE	<0.015	0.015	mg/l	12/09/94	LMW
1,1-DICHLOROETHYLENE	<0.015	0.015	mg/l	12/09/94	LMW
2,4-DINITROTOLUENE	<0.01	0.01	mg/l	12/09/94	LMW
HEXACHLOROBENZENE	<0.01	0.01	mg/l	12/09/94	LMW
HEXACHLOROBUTADIENE	<0.01	0.01	mg/l	12/09/94	LMW
HEXACHLOROETHANE	<0.01	0.01	mg/l	12/09/94	LMW
METHYL ETHYL KETONE	<0.1	0.1	mg/l	12/09/94	LMW
NITROBENZENE	<0.01	0.01	mg/l	12/09/94	LMW
PENTACHLOROPHENOL	<0.01	0.01	mg/l	12/09/94	LMW
PYRIDINE	<0.05	0.05	mg/l	12/09/94	LMW
TETRACHLOROETHYLENE	<0.015	0.015	mg/l	12/09/94	LMW
TRICHLOROETHYLENE	<0.015	0.015	mg/l	12/09/94	LMW
2,4,5-TRICHLOROPHENOL	<0.01	0.01	mg/l	12/09/94	LMW
2,4,6-TRICHLOROPHENOL	<0.01	0.01	mg/l	12/09/94	LMW
VINYL CHLORIDE	<0.025	0.025	mg/l	12/09/94	LMW

(305) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator <u>RED CEDAR GATHERING</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Arkansas Loop Processing Plant</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>Colorado</u>
7. Location of Material (Street Address or ULSTR)	<u>NE 4 Sec 2, T32N, R9W</u>
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. 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:

Silica Gel & CHARCOAL Filter Media from Natural Gas Filtration System.

BIA. Removal Certificate ATTACHED.

Landfarm II
D 19

RECEIVED
JAN 31 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 14 cy Known Volume (to be entered by the operator at the end of the haul) 22 cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1-30-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Dennis G. Feunt TITLE: Geologist DATE: 2/1/96
APPROVED BY: Emmett Busch TITLE: u DATE: 2-5-96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Arkansas Long processing Facility, Lamar County, Colorado
Source: Natural Gas Filtration System Carbon bed (Activated Carbon) 20%
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Red Cedar Gathering Company, concur with the status of the waste from the subject site.

NE 1/4 Sec 2, T32N R9W

Name Barry C. Helman
Title/Agency Manager, Environmental & Safety
Address 24246 Hwy 163, Durango, CO 81301
Signature Barry C. Helman
Date January 18, 1996



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

JAN 22 1996

Envirotech, Inc.
Attention: Mr. Barry G. Holman
26266 Highway 160
Durango, Colorado 81301

Re: Arkansas Loop Processing Plant

Dear Mr. Holman:

Enclosed please find a copy of the approved "Certificate from Out of State Agency Authorizing Removal of RCRA Exempt Oilfield Waste from their Jurisdiction to New Mexico", for the Arkansas Loop Processing Plant. Your request was approved on January 19, 1996. If additional information is required, contact Ken Young, Petroleum Engineer or Diana F. Olguin, Realty Officer at (970) 563-4514.

Sincerely,

Charles A. Becker
Superintendent

Acting

Enclosure

CERTIFICATE FROM OUT OF STATE AGENCY
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE
FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning the oilfield waste material from location Arkansas Loop Processing Plant, LaPlata County and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

XX The material is exempt from regulation because it is classified as non-hazardous oilfield waste by definition.

 The material is exempt from regulation by characteristic analyses.

 The material is exempt from regulation by product identification.

THEREFORE:

As a representative for Bureau of Indian Affairs I have no objections to the material being removed to New Mexico.

NAME: Charles Recker TITLE: ^{Attending} Superintendent

SIGNATURE: Charles A Recker DATE: 1/19/96

AGENCY: Bureau of Indian Affairs

ADDRESS: P.O. Box 315, Ignacio, Colorado 81137

PHONE: (970) 563-4514

P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
818 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT ger Anderson
Form C-1
Originated 4/1
Submit Orig
Plus 1 C
to appropr
District Of
JAN 8 52

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator EPNG - Kutz Plant.
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site KUTZ - Plant
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter ENVIROTECH?
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	EZ, SW4, Sec 15, T29N, R12W, S1C, NM
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. 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:

Soils generated during
Demolition of LINED Pond at KUTZ Plant

TCLP ATTACHED

cells A19-20
Landfarm II
unit 5

RECEIVED
JAN 24 1996
OIL CON. DIV.
DIST. 3

RECEIVED
JAN 12 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 200 cy cy Known Volume (to be entered by the operator at the end of the haul) 372 cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1-12-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny J. Feeney TITLE: GEOLOGIST DATE: 1/15/96
APPROVED BY: [Signature] TITLE: GEOLOGIST DATE: 11/19/96

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/18/9

Submit Original
Plus 1 Cc
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator EPNG - Kutz Plant
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site KUTZ - Plant
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter ENVIROTECH?
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	EZ, SW4, Sec 15, T29N, R12W, S1C, NM
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BRIEF DESCRIPTION OF MATERIAL:

Soils generated during
Demolition of LINED Pond at KUTZ Plant

TCLP ATTACHED

RECEIVED
JAN 12 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 200 cy cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1-12-96
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny B. Jant TITLE: Geologist DATE: 1/16/96

APPROVED BY: _____ TITLE: _____ DATE: _____

EPNG.

Kutz Plant
Soil from Lined Pond Demolition.ATI Sample 10
951260

pH. 8.08

Non-Reactive

Non-Ignitable

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0ok	DX004	Hexachlorobenzene	0.13	DX032ok
* Barium	100.0ok	DX005	Hexachlorobutadiene	0.5	DX033ok
Benzene	0.5ok	DX018	Hexachloroethane	3.0	DX034ok
* Cadmium	1.0ok	DX006	* Lead	5.0	DX08ok
Carbon Tetrachloride	0.5ok	DX019	* Lindane	0.4	DX013 Pesticide
POSTICIDE Chlorodane	0.03	DX020	* Mercury	0.2	DX009ok
Chlorobenzene	100.0ok	DX021	* Methoxychlor	10.0	DX014 Pesticide
Chloroform	6.0ok	DX022	Methyl ethyl ketone	200.0	DX035ok
* Chromium	5.0ok	DX007	Nitrobenzene	2.0	DX036ok
Cresol	200.0ok	DX026	Pentachlorophenol	100.0	DX037ok
m-Cresol	200.0ok	DX024	Pyridine	5.0	DX038ok
o-Cresol	200.0ok	DX023	* Selenium	1.0	DX010ok
p-Cresol	200.0ok	DX025	* Silver	5.0	DX011ok
HERBICIDE* 2,4-D	10.0	DX016	* 2,4,5-TP (Silvex)	1.0	DX017 HERBICIDE
1,4-Dichlorobenzene	7.5ok	DX027	Tetrachloroethylene	0.7	DX039ok
1,2-Dichloroethane	0.5ok	DX028	* Toxaphene	0.5	DX015 Pesticide
1,1-Dichloroethylene	0.7ok	DX029	Trichloroethylene	0.5	DX040ok
2,4-Dinitrotoluene	0.13ok	DX030	2,4,5-Trichlorophenol	400.0	DX041ok
POSTICIDE* Endrin	0.02	DX012	2,4,6-Trichlorophenol	2.0	DX042ok
POSTICIDE Heptachlor	0.008	DX031	Vinyl chloride	0.2	DX043ok

*--EP Toxic wastes; TCLP must now be utilized for characterizing these wastes



RECEIVED JAN 11 1996

January 9, 1996

Mr. Robert Young
Envirotech, Inc.
5796 U.S. Highway 64-3014
Farmington N.M. 87401

Subject: Non-Exempt Soil Disposal

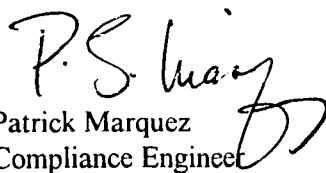
Dear Mr. Young

EPNG's Kutz Plant has removed approximately 200 cubic yards of hydrocarbon contaminated soil as a result of Plant demolition activities. Details are as follows:

- Kutz Plant - E/2, SW/4, Section 15, T-29-N, R-12-W, San Juan County, New Mexico
- The appropriate analytical is enclosed for your review
- Enclosed is Certificate of Waste Status for Non-Exempt Waste
- Soil volume is estimated at 200 cubic yards
- Kutz Plant personnel will contact your office to identify the company delivering the soil.
- Invoices should be addressed to **El Paso Field Services Company** Attn: Mr. Patrick Marquez, P.O. Box 4990, Farmington N.M. 87499.

Please contact me at 599-2175 upon NMOCD approval for disposal or if require more information.

Thank you,


Patrick Marquez
Compliance Engineer

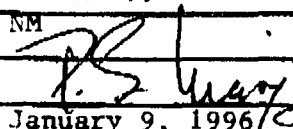
cc: w/o enclosure

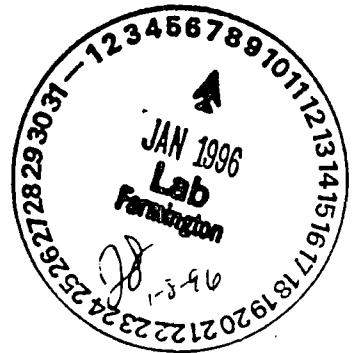
Dan Winter
Kent Leidy
Bruce Hare
S.Miller/D.Bays/File:1995 Demolition

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIALOriginating Location: El Paso Field Services Company - Kutz PlantSource: Lined Pond Closure Soil Kutz PlantDisposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

'As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no 'hazardous or listed waste' pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a 'hazardous waste' pursuant to the provisions of 40 CFR, section 261.3(b).'

I, the undersigned as the agent for the El Paso Field Services Co.
concur with the status of the waste from the subject site.

Name Patrick MarquezTitle/Agency Compliance EngineerAddress P.O. Box 4990
Farmington, NMSignature Date January 9, 1996



envirotech, inc.

Practical Solutions For A Better Tomorrow

5796 U.S. Highway 64-3014 - Farmington, New Mexico 87401 - Tel 505-632-0615 - Fax 505-632-1865

January 5, 1996

Mr. John Lambdin
El Paso Natural Gas
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 95033-01

Dear John,

Enclosed are the analytical results for the sample collected from the location designated as "Kutz Plant - Disposal Pond Soil Pile". One 5-point composite soil sample was collected by EPNG personnel on December 21, 1995, and received by the Envirotech laboratory on December 21, 1995 for Hazardous Waste Characterization analysis, specifically Corrosivity, Reactivity, Ignitability and RCRA TCLP Organics (Volatiles and Semi-volatiles).

The sample (EPNG No. 951390) was transferred from the EPNG Chain of Custody to Envirotech Chain of Custody No. 4650, and assigned Laboratory No. 9829 for tracking purposes.

✓ Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It has been our pleasure doing business with you and we hope you will consider Envirotech, Inc. for any of your future environmental contracting needs.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

95033/tclp0196.ltr

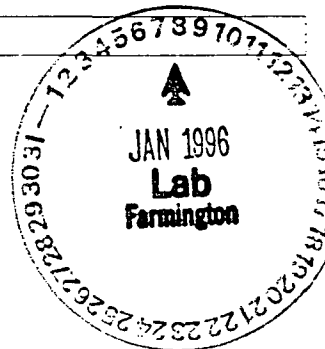
ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	El Paso Natural Gas Co.	Project #:	95033-01
Sample ID:	951390	Date Reported:	12-29-95
Lab ID#:	9829	Date Sampled:	12-21-95
Sample Matrix:	Soil	Date Received:	12-21-95
Preservative:	Cool	Date Analyzed:	12-27-95
Condition:	Cool & Intact	Chain of Custody:	4646

Parameter	Result
IGNITABILITY:	Did not ignite upon direct contact with flame.
CORROSIVITY:	pH of 8.08
REACTIVITY:	Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).



RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Sample Ignition upon direct contact with flame indicates hazardous waste status.
CORROSIVITY:	pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.
REACTIVITY:	Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Handwritten signature
1-8-96

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: **Kutz Plant - 5-PTS Composite - Disposal Pond Soil Pile.**

Debra L. Jensen
Analyst

Stacy W. Sandler
Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	El Paso Natural Gas Co.	Project #:	95033-01
Sample ID:	951390	Date Reported:	12-28-95
Laboratory Number:	9829	Date Sampled:	12-21-95
Chain of Custody:	4646	Date Received:	12-21-95
Sample Matrix:	Soil	Date Extracted:	12-27-95
Preservative:	Cool	Date Analyzed:	12-28-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0003	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

ND - Parameter not detected at the stated detection limit.

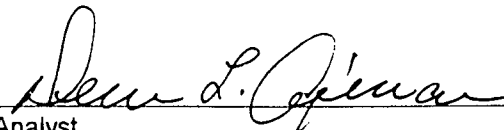
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	100%

1-8-96

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Kutz Plant - 5 - PTS Composite - Disposal Pond Soil Pile.


Analyst


Review

Client:	El Paso Natural Gas Co.	Project #:	95033-01
Sample ID:	951390	Date Reported:	12-29-95
Laboratory Number:	9829	Date Sampled:	12-21-95
Chain of Custody:	4646	Date Received:	12-21-95
Sample Matrix:	Soil	Date Extracted:	12-27-95
Preservative:	Cool	Date Analyzed:	12-28-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	99%

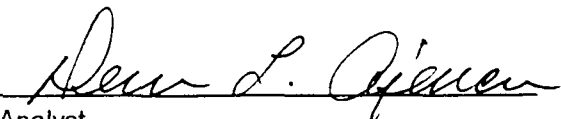
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Kutz Plant - 5-PTS Composite - Disposal Pond Soil Pile.**


Analyst


Review

Client:	El Paso Natural Gas Co.	Project #:	95033-01
Sample ID:	951390	Date Reported:	12-29-95
Laboratory Number:	9829	Date Sampled:	12-21-95
Chain of Custody:	4646	Date Received:	12-21-95
Sample Matrix:	Soil	Date Extracted:	12-27-95
Preservative:	Cool	Date Analyzed:	12-28-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

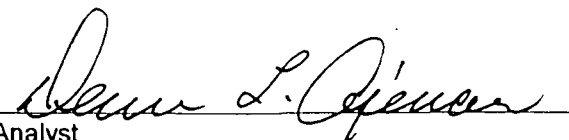
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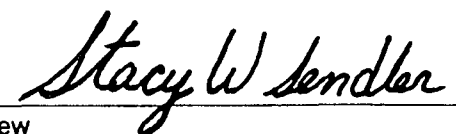
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Kutz Plant - 5-PTS Composite - Disposal Pond Soil Pile.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-28-95
Laboratory Number:	12-28-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-28-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0003	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

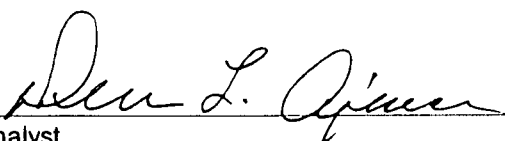
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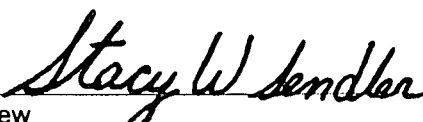
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-28-95
Laboratory Number:	12-27-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-28-95
Condition:	N/A	Date Extracted:	12-27-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0003	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

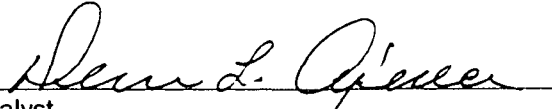
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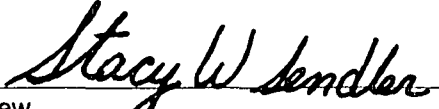
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

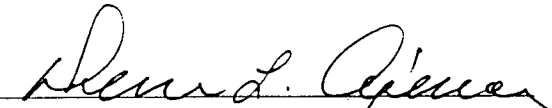
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-28-95
Laboratory Number:	9829	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-28-95
Condition:	N/A	Date Extracted:	12-27-95

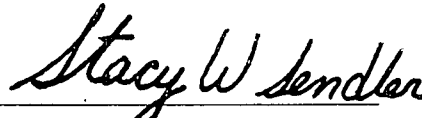
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0003	0.0%
2-Butanone (MEK)	ND	ND	0.0003	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311. Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030. Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010. Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020. Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 9829 and 9830.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 9829
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

Project #: N/A
Date Reported: 12-28-95
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12-28-95
Date Extracted: 12-27-95

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0194	0.0002	97%	28-163
1,1-Dichloroethene	ND	0.020	0.0198	0.0003	99%	43-143
2-Butanone (MEK)	ND	0.020	0.0195	0.0003	97%	47-132
Chloroform	ND	0.020	0.0201	0.0002	100%	49-133
Carbon Tetrachloride	ND	0.020	0.0200	0.0001	100%	43-143
Benzene	ND	0.020	0.0199	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.020	0.0199	0.0001	99%	51-147
Trichloroethene	ND	0.020	0.0192	0.0001	96%	35-146
Tetrachloroethene	ND	0.020	0.0195	0.0002	95%	26-162
Chlorobenzene	ND	0.020	0.0194	0.0001	97%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0195	0.0001	97%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 9829 and 9830.

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1-8-96

[Handwritten signature: Sheri L. Givens]
Analyst

[Handwritten signature: Stacy W. Bender]
Review



Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-29-95
Laboratory Number:	12-28-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-28-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	103 %

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

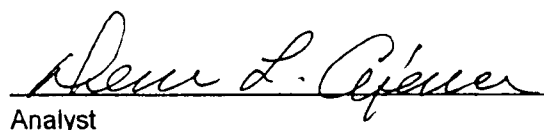
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

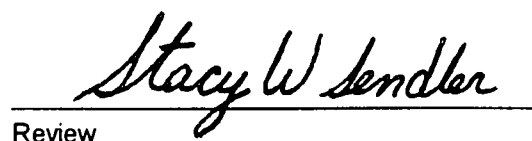
Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846. USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.

JS-90


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-29-95
Laboratory Number:	12-27-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-27-95
Condition:	Cool & Intact	Date Analyzed:	12-28-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	101%
	2,4,6-Tribromophenol	101%

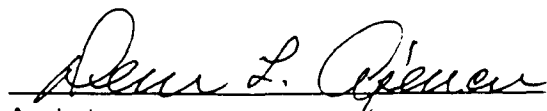
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

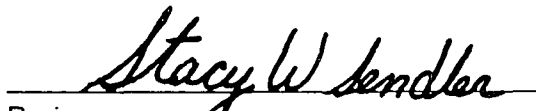
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-29-95
Laboratory Number:	9829	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-27-95
Condition:	Cool & Intact	Date Analyzed:	12-28-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

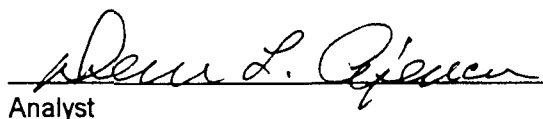
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

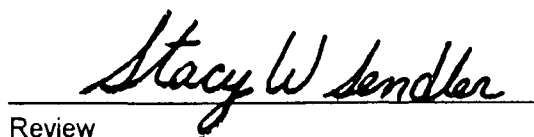
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols. Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-29-95
Laboratory Number:	12-28-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	12-28-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

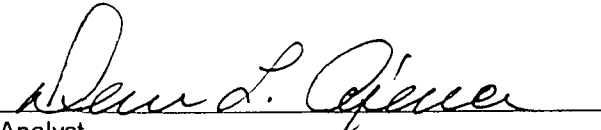
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	104%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.

J
1-8-96


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-29-95
Laboratory Number:	12-27-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-27-95
Condition:	Cool and Intact	Date Analyzed:	12-28-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

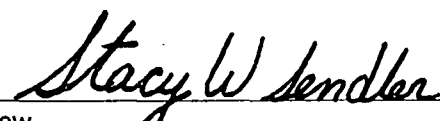
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.

1-8-96


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-29-95
Laboratory Number:	9829	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	12-27-95
Condition:	N/A	Date Analyzed:	12-28-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9829 and 9830.

J. S. 94

Shawn L. O'Brien
Analyst

Stacy W. Sandler
Review

CHAIN OF CUSTODY RECORD

Client/Project Name EL PASO NATURAL GAS CO.			Project Location KUTZ PLANT		ANALYSIS/PARAMETERS							
Sampler: (Signature) SEE ATTACHED CCC			Chain of Custody Tape No. 95033-01		No. of Containers							Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
5-PTS. COMPOSITE	12/21/95	1130	9829	SOIL	1							See attached CCC for Lab analysis
Relinquished by: (Signature)			Date	Time	Received by: (Signature) <i>C. Chaharbagy</i>						Date	Time
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615												



WHITE-Testing Laboratory YELLOW-EPNG Lab PINK-Field Sampler

951260



Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 511350



December 20, 1995

El Paso Natural Gas
P.O. Box 4990
Farmington, NM 87499

UTZ

Project Name/Number: ~~KOTZ~~ STA. POND 54042

Attention: John Lambdin

On 11/17/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** sample(s). The sample(s) were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

For EPA method 8270, sample "951260" was originally extracted within its required holding times. However, the sample was re-extracted due to the blank spike and matrix spike outliers and the re-extractions were performed outside the holding time requirements. Results for the original extraction have been included. Results of the re-extraction will follow.

The method blank for EPA method 8270, had bis(2-ethylhexyl) phthalate at levels below 5 times the reporting limit. This compound was not detected in the sample.

For EPA method 8270, the matrix spike and matrix spike duplicate recovery criteria were met for all compounds but the following compounds had RPD's out of criteria.

Spike Compound:

1,4-Dichlorobenzene
1,2,4-Trichlorobenzene
4-Chloro-3-methylphenol
Acenaphthene
4-Nitrophenol
Pyrene



Analytical**Technologies**, Inc.

All analyses were performed by Analytical Technologies, Inc., 225 Commerce Drive, Fort Collins, CO.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager

MR:jt

Enclosure





Analytical**Technologies**,Inc.

CLIENT : EL PASO NATURAL GAS DATE RECEIVED : 11/17/95
PROJECT # : 54042
PROJECT NAME : KOTZ STA. POND REPORT DATE : 12/20/95

ATI ID: 511350

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	951260	NON-AQ	11/15/95



---TOTALS---

<u>MATRIX</u>	<u>#SAMPLES</u>
NON-AQ	1

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



Analytical**Technologies**, Inc.

TCLP METALS

Sample ID

951260

KOTZ
SOIL PILE

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Client Project ID: EPN-Kotz Sta. -- 511350

Lab Sample ID: 95-11-182-01

Sample Matrix: TCLP Leachate

Date Collected: 11/15/95

Prep Date: 11/22, 30/95

Date Analyzed: 11/30/95

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	6010	ND	1
D006	7440-43-9	Cadmium	6010	ND	0.05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03 —
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected



Analytical Technologies, Inc.

TCLP METALS

Sample ID

TCLP Blank

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Client Project ID: EPN-Kotz Sta. -- 511350

Lab Sample ID: RB 95-11-182

Sample Matrix: TCLP Leachate

Date Collected: N/A

Prep Date: 11/22, 30/95

Date Analyzed: 11/30/95

EPA HW Number	CAS Number	Analyte	Modified Method	Concentration mg/L	Detection Limit (mg/L)
D004	7440-38-2	Arsenic	6010	ND	0.1
D005	7440-39-3	Barium	6010	ND	1
D006	7440-43-9	Cadmium	6010	ND	0.05
D007	7440-47-3	Chromium	6010	ND	0.1
D008	7439-92-1	Lead	6010	ND	0.03
D009	7439-97-6	Mercury	7470	ND	0.002
D010	7782-49-2	Selenium	6010	ND	0.05
D011	7440-22-4	Silver	6010	ND	0.1

ND= Not Detected

Acceptable:
11/30/95



Analytical Technologies, Inc.

TCLP METALS MATRIX SPIKE

Sample ID

951260

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Lab Sample ID: 95-11-182-01

Prep Date: 11/22/95

Date Analyzed: 11/30/95

Sample Matrix: TCLP Leachate

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Arsenic	20	< 0.1	20	100	
Barium	20	< 1	19	95	
Cadmium	0.50	< 0.05	0.48	96	
Chromium	2.0	< 0.1	1.9	95	
Lead	5.0	< 0.03	5.0	100	
Selenium	20	< 0.05	20	100	
Silver	2.0	< 0.1	1.8	90	

Analyte	MSD Conc. mg/L	MSD % Rec (limits 80-120%)	Relative % Difference (limits 0-20%)	Flags
Arsenic	20	100	0	
Barium	18	90	5	
Cadmium	0.48	96	0	
Chromium	1.9	95	0	
Lead	5.0	100	0	
Selenium	20	100	0	
Silver	1.8	90	0	

Accepted
8/12/95



Analytical Technologies, Inc.

TCLP METALS MATRIX SPIKE

Sample ID

In House

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Lab Sample ID: 95-11-245-01

Prep Date: 11/30/95

Date Analyzed: 11/30/95

Sample Matrix: TCLP Leachate

Analyte	Spike Added mg/L	Sample Conc. mg/L	MS Conc. mg/L	% Rec (limits 80-120%)	Flags
Mercury	0.020	< 0.002	0.018	90	

Analyte	MSD Conc. mg/L	MSD % Rec (limits 80-120%)	Relative % Difference (limits 0-20%)	Flags
Mercury	0.018	90	0	

Acceptable
12/30/95



Analytical Technologies, Inc.

VOLATILE ORGANICS

Method 8260

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Client Project ID: EPN-Kotz Sta.-511350

Lab Sample ID: 95-11-182-01

Sample ID

951260

Date Collected: 11/15/95

Date Analyzed: 11/22/95

Sample Matrix: Soil

Sample Weight: 5 g

Results are reported on a wet weight basis.

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	8 J B	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	2 J	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	1 J	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	2 J	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
Dibromofluoromethane	111	80 - 120
Toluene-d8	97	81 - 117
Bromofluorobenzene	90	74 - 121

ND = Not Detected

B = Analyte found in Blank

J = Estimated value, analyte found below detection limit



Analytical Technologies, Inc.

VOLATILE ORGANICS

Method 8260

Sample ID

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Client Project ID: EPN-Kotz Sta.--511350

Lab Sample ID: SRB1 11/21/95

Reagent Blank

Date Collected: N/A

Date Analyzed: 11/21/95

Sample Matrix: Soil

Sample Weight: 5 g

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	ND	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
Dibromofluoromethane	102	80 - 120
Toluene-d8	103	81 - 117
Bromofluorobenzene	79	74 - 121

ND = Not Detected



Analytical Technologies, Inc.

VOLATILE ORGANICS

Method 8260

Sample ID

Reagent Blank

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Client Project ID: EPN-Kotz Sta.-511350

Lab Sample ID: SRB1 11/22/95

Date Collected: N/A

Date Analyzed: 11/22/95

Sample Matrix: Soil

Sample Weight: 5 g

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl chloride	ND	10
Chloroethane	ND	10
Methylene chloride	ND	5
Acetone	4 J	10
Carbon disulfide	ND	5
1,1-Dichloroethene	ND	5
1,1-Dichloroethane	ND	5
cis-1,2-Dichloroethene	ND	5
trans-1,2-Dichloroethene	ND	5
Chloroform	ND	5
1,2-Dichloroethane	ND	5
2-Butanone	ND	10
1,1,1-Trichloroethane	ND	5
Carbon tetrachloride	ND	5
Vinyl acetate	ND	10
Bromodichloromethane	ND	5
1,2-Dichloropropane	ND	5
cis-1,3-Dichloropropene	ND	5
Trichloroethene	ND	5
Dibromochloromethane	ND	5
1,1,2-Trichloroethane	ND	5
Benzene	ND	5
trans-1,3-Dichloropropene	ND	5
Bromoform	ND	5
2-Hexanone	ND	10
4-Methyl-2-pentanone	ND	10
Tetrachloroethene	ND	5
1,1,2,2-Tetrachloroethane	ND	5
Toluene	ND	5
Chlorobenzene	ND	5
Ethylbenzene	ND	5
Styrene	ND	5
Total Xylenes	ND	5

SURROGATE RECOVERIES

Analyte	% Recovery	%Rec Limits
Dibromofluoromethane	104	80 - 120
Toluene-d8	102	81 - 117
Bromofluorobenzene	79	74 - 121

ND = Not Detected

J = Estimated value, analyte found below detection limit



Analytical Technologies, Inc.

VOLATILE MATRIX SPIKE RECOVERY

Method 8260

Sample ID

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI-NM

Client Project ID: EPN-Kotz Sta.--511350

Lab Sample ID: 95-11-176-13

Sample Matrix: Soil

Sample Weight: 5 g

In House

Date Collected: 11/15/95

Date Analyzed: 11/21,22/95

Results are reported on a wet weight basis.

Analyte	Spike Added (ug/L)	Sample Concentration (ug/L)	MS Concentration (ug/L)	MS % Rec	QC Limit Recovery
1,1-Dichloroethene	50.0	ND	48.4	97	59-172
Trichloroethene	50.0	ND	48.6	97	62-137
Benzene	50.0	ND	51.1	102	60-133
Toluene	50.0	ND	54.4	109	59-139
Chlorobenzene	50.0	ND	49.1	98	66-142

Analyte	Spike Added (ug/L)	MSD Concentration (ug/L)	MSD % Recovery	% RPD	QC Limits RPD Rec
1,1-Dichloroethene	50.0	46.5	93	4	22 59-172
Trichloroethene	50.0	47.5	95	2	24 62-137
Benzene	50.0	49.7	99	3	21 60-133
Toluene	50.0	53.8	108	1	21 59-139
Chlorobenzene	50.0	47.8	96	3	21 66-142

SURROGATE RECOVERIES MS/MSD

Analyte	%Rec (MS)	%Rec (MSD)	% Rec Limits
Dibromofluorobenzene	107	103	80 - 120
Toluene-d8	95	97	81 - 117
Bromofluorobenzene	100	101	74 - 121

ND = Not Detected



Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS

Modified Method 8270

Sample ID

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project: EPN-Kotz Sta.--511350

Lab Sample ID.: 95-11-182-01

951260

Date Collected: 11-15-95

Date Extracted: 11-24-95

Date Analyzed: 11-30-95

Sample Matrix: Soil

Cleanup: GPC

Sample Weight: 30 g -

Final Volume: 1000 mL

Results are reported on a wet weight basis.

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
Pyridine	ND	330000
n-Nitrosodimethylamine	ND	330000
Aniline	ND	830000
Phenol	ND	330000
bis (2-Chloroethyl) ether	ND	330000
2-Chlorophenol	ND	330000
1,3-Dichlorobenzene	ND	330000
1,4-Dichlorobenzene	ND	330000
1,2-Dichlorobenzene	ND	330000
Benzyl alcohol	ND	330000
bis (2-Chloroisopropyl) ether	ND	330000
2-Methylphenol	ND	330000
N-Nitroso-di-n-propylamine	ND	330000
4-Methylphenol	ND	330000
Hexachloroethane	ND	330000
Nitrobenzene	ND	330000
Isophorone	ND	330000
2-Nitrophenol	ND	330000
2,4-Dimethylphenol	ND	330000
bis (2-Chloroethoxy) methane	ND	330000
2,4-Dichlorophenol	ND	330000
Benzoic acid	ND	1700000
1,2,4-Trichlorobenzene	ND	330000
Naphthalene	ND	330000
4-Chloroaniline	ND	830000
Hexachlorobutadiene	ND	330000
4-Chloro-3-methylphenol	ND	330000
2-Methylnaphthalene	ND	330000
Hexachlorocyclopentadiene	ND	330000
2,4,6-Trichlorophenol	ND	330000
2,4,5-Trichlorophenol	ND	1700000
2-Chloronaphthalene	ND	330000
2-Nitroaniline	ND	1700000
Dimethyl phthalate	ND	330000
2,6-Dinitrotoluene	ND	330000
Acenaphthylene	ND	330000
3-Nitroaniline	ND	1700000
Acenaphthene	ND	330000
2,4-Dinitrophenol	ND	1700000



Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS

Modified Method 8270

Sample ID

Lab Name: Analytical Technologies of Colorado, Inc.

Lab Sample ID.: 95-11-182-01

951260

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
4-Nitrophenol	ND	1700000
Dibenzofuran	ND	330000
2,4-Dinitrotoluene	ND	330000
Diethyl phthalate	ND	330000
Fluorene	ND	330000
4-Chlorophenyl phenyl ether	ND	330000
4-Nitroaniline	ND	1700000
Azobenzene	ND	330000
4,6-Dinitro-2-methylphenol	ND	1700000
N-Nitrosodiphenylamine	ND	330000
4-Bromophenyl phenyl ether	ND	330000
Hexachlorobenzene	ND	330000
Pentachlorophenol	ND	1700000
Phenanthrene	ND	330000
Anthracene	ND	330000
Carbazole	ND	330000
Di-n-butyl phthalate	ND	330000
Fluoranthene	ND	330000
Benzydine	ND	1700000
Pyrene	ND	330000
Butyl benzyl phthalate	ND	330000
Benzo(a)anthracene	ND	330000
3,3'-Dichlorobenzidine	ND	1700000
Chrysene	ND	330000
Bis(2-ethylhexyl)phthalate	ND	330000
Di-n-octyl phthalate	ND	330000
Benzo(b)fluoranthene	ND	330000
Benzo(k)fluoranthene	ND	330000
Benzo(a)pyrene	ND	330000
Indeno(1,2,3-cd)pyrene	ND	330000
Dibenz(a,h)anthracene	ND	330000
Benzo(g,h,i)perylene	ND	330000

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	D	25-121
Phenol-d5	D	24-113
Nitrobenzene-d5	D	23-120
2-Fluorobiphenyl	D	30-115
2,4,6-Tribromophenol	D	19-122
Terphenyl-d14	D	18-137

ND = Not Detected



Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS

Modified Method 8270

Sample ID

Reagent
Blank

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project: EPN-Kotz Sta.-511350

Lab Sample ID.: SRB1 11-24-95

Date Collected: N/A

Date Extracted: 11-24-95

Date Analyzed: 11-30-95

Sample Matrix: Sodium Sulfate

Cleanup: GPC

Results are reported on a wet weight basis.

Sample Weight: 30 g

Final Volume: 2 mL

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
Pyridine	ND	670
n-Nitrosodimethylamine	ND	670
Aniline	ND	1700
Phenol	ND	670
bis (2-Chloroethyl) ether	ND	670
2-Chlorophenol	ND	670
1,3-Dichlorobenzene	ND	670
1,4-Dichlorobenzene	ND	670
1,2-Dichlorobenzene	ND	670
Benzyl alcohol	ND	670
bis (2-Chloroisopropyl) ether	ND	670
2-Methylphenol	ND	670
N-Nitroso-di-n-propylamine	ND	670
4-Methylphenol	ND	670
Hexachloroethane	ND	670
Nitrobenzene	ND	670
Isophorone	ND	670
2-Nitrophenol	ND	670
2,4-Dimethylphenol	ND	670
bis (2-Chloroethoxy) methane	ND	670
2,4-Dichlorophenol	ND	670
Benzoic acid	ND	3300
1,2,4-Trichlorobenzene	ND	670
Naphthalene	ND	670
4-Chloroaniline	ND	1700
Hexachlorobutadiene	ND	670
4-Chloro-3-methylphenol	ND	670
2-Methylnaphthalene	ND	670
Hexachlorocyclopentadiene	ND	670
2,4,6-Trichlorophenol	ND	670
2,4,5-Trichlorophenol	ND	3300
2-Chloronaphthalene	ND	670
2-Nitroaniline	ND	3300
Dimethyl phthalate	ND	670
2,6-Dinitrotoluene	ND	670
Acenaphthylene	ND	670
3-Nitroaniline	ND	3300
Acenaphthene	ND	670
2,4-Dinitrophenol	ND	3300



Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS

Modified Method 8270

Lab Name: Analytical Technologies of Colorado, Inc.
 Lab Sample ID.: SRB1 11-24-95

Sample ID

Reagent
Blank

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
4-Nitrophenol	ND	3300
Dibenzofuran	ND	670
2,4-Dinitrotoluene	ND	670
Diethyl phthalate	ND	670
Fluorene	ND	670
4-Chlorophenyl phenyl ether	ND	670
4-Nitroaniline	ND	3300
Azobenzene	ND	670
4,6-Dinitro-2-methylphenol	ND	3300
N-Nitrosodiphenylamine	ND	670
4-Bromophenyl phenyl ether	ND	670
Hexachlorobenzene	ND	670
Pentachlorophenol	ND	3300
Phenanthrene	ND	670
Anthracene	ND	670
Carbazole	ND	670
Di-n-butyl phthalate	ND	670
Fluoranthene	ND	670
Benzidine	ND	3300
Pyrene	ND	670
Butyl benzyl phthalate	ND	670
Benzo(a)anthracene	ND	670
3,3'-Dichlorobenzidine	ND	3300
Chrysene	ND	670
Bis(2-ethylhexyl)phthalate	460 J	670
Di-n-octyl phthalate	ND	670
Benzo(b)fluoranthene	ND	670
Benzo(k)fluoranthene	ND	670
Benzo(a)pyrene	ND	670
Indeno(1,2,3-cd)pyrene	ND	670
Dibenzo(a,h)anthracene	ND	670
Benzo(g,h,i)perylene	ND	670

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	52	25-121
Phenol-d5	60	24-113
Nitrobenzene-d5	77	23-120
2-Fluorobiphenyl	70	30-115
2,4,6-Tribromophenol	36	19-122
Terphenyl-d14	68	18-137

ND = Not Detected

J = Estimated value, analyte found below detection limit



Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS

Modified Method 8270

Sample ID

GPC

Reagent Blank

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project: EPN-Kotz Sta.--511350

Lab Sample ID.: GPCRB2 11-28-95

Date Collected: N/A

Date Extracted: N/A

Date Analyzed: 11-28-95

Sample Matrix: Methylene Chloride

Cleanup: GPC

Results are reported on a wet weight basis.

Sample Weight: N/A

Final Volume: 2 mL

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
Pyridine	ND	670
n-Nitrosodimethylamine	ND	670
Aniline	ND	1700
Phenol	ND	670
bis (2-Chloroethyl) ether	ND	670
2-Chlorophenol	ND	670
1,3-Dichlorobenzene	ND	670
1,4-Dichlorobenzene	ND	670
1,2-Dichlorobenzene	ND	670
Benzyl alcohol	ND	670
bis (2-Chloroisopropyl) ether	ND	670
2-Methylphenol	ND	670
N-Nitroso-di-n-propylamine	ND	670
4-Methylphenol	ND	670
Hexachloroethane	ND	670
Nitrobenzene	ND	670
Isophorone	ND	670
2-Nitrophenol	ND	670
2,4-Dimethylphenol	ND	670
bis (2-Chloroethoxy) methane	ND	670
2,4-Dichlorophenol	ND	670
Benzoic acid	ND	3300
1,2,4-Trichlorobenzene	ND	670
Naphthalene	ND	670
4-Chloroaniline	ND	1700
Hexachlorobutadiene	ND	670
4-Chloro-3-methylphenol	ND	670
2-Methylnaphthalene	ND	670
Hexachlorocyclopentadiene	ND	670
2,4,6-Trichlorophenol	ND	670
2,4,5-Trichlorophenol	ND	3300
2-Chloronaphthalene	ND	670
2-Nitroaniline	ND	3300
Dimethyl phthalate	ND	670
2,6-Dinitrotoluene	ND	670
Acenaphthylene	ND	670
3-Nitroaniline	ND	3300
Acenaphthene	ND	670
2,4-Dinitrophenol	ND	3300



Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS

Modified Method 8270

Lab Name: Analytical Technologies of Colorado, Inc.

Lab Sample ID.: GPCRB2 11-28-95

Sample ID

GPC
Reagent Blank

Analyte	Results (ug/kg)	Detection Limit (ug/kg)
4-Nitrophenol	ND	3300
Dibenzofuran	ND	670
2,4-Dinitrotoluene	ND	670
Diethyl phthalate	ND	670
Fluorene	ND	670
4-Chlorophenyl phenyl ether	ND	670
4-Nitroaniline	ND	3300
Azobenzene	ND	670
4,6-Dinitro-2-methylphenol	ND	3300
N-Nitrosodiphenylamine	ND	670
4-Bromophenyl phenyl ether	ND	670
Hexachlorobenzene	ND	670
Pentachlorophenol	ND	3300
Phenanthrene	ND	670
Anthracene	ND	670
Carbazole	ND	670
Di-n-butyl phthalate	ND	670
Fluoranthene	ND	670
Benzidine	ND	3300
Pyrene	ND	670
Butyl benzyl phthalate	ND	670
Benzo(a)anthracene	ND	670
3,3'-Dichlorobenzidine	ND	3300
Chrysene	ND	670
Bis(2-ethylhexyl)phthalate	ND	670
Di-n-octyl phthalate	ND	670
Benzo(b)fluoranthene	ND	670
Benzo(k)fluoranthene	ND	670
Benzo(a)pyrene	ND	670
Indeno(1,2,3-cd)pyrene	ND	670
Dibenzo(a,h)anthracene	ND	670
Benzo(g,h,i)perylene	ND	670

SURROGATE RECOVERIES

Analyte	% Recovery	% Rec Limits
2-Fluorophenol	N/A	25-121
Phenol-d5	N/A	24-113
Nitrobenzene-d5	N/A	23-120
2-Fluorobiphenyl	N/A	30-115
2,4,6-Tribromophenol	N/A	19-122
Terphenyl-d14	N/A	18-137

ND = Not Detected

Library Search Compound Report

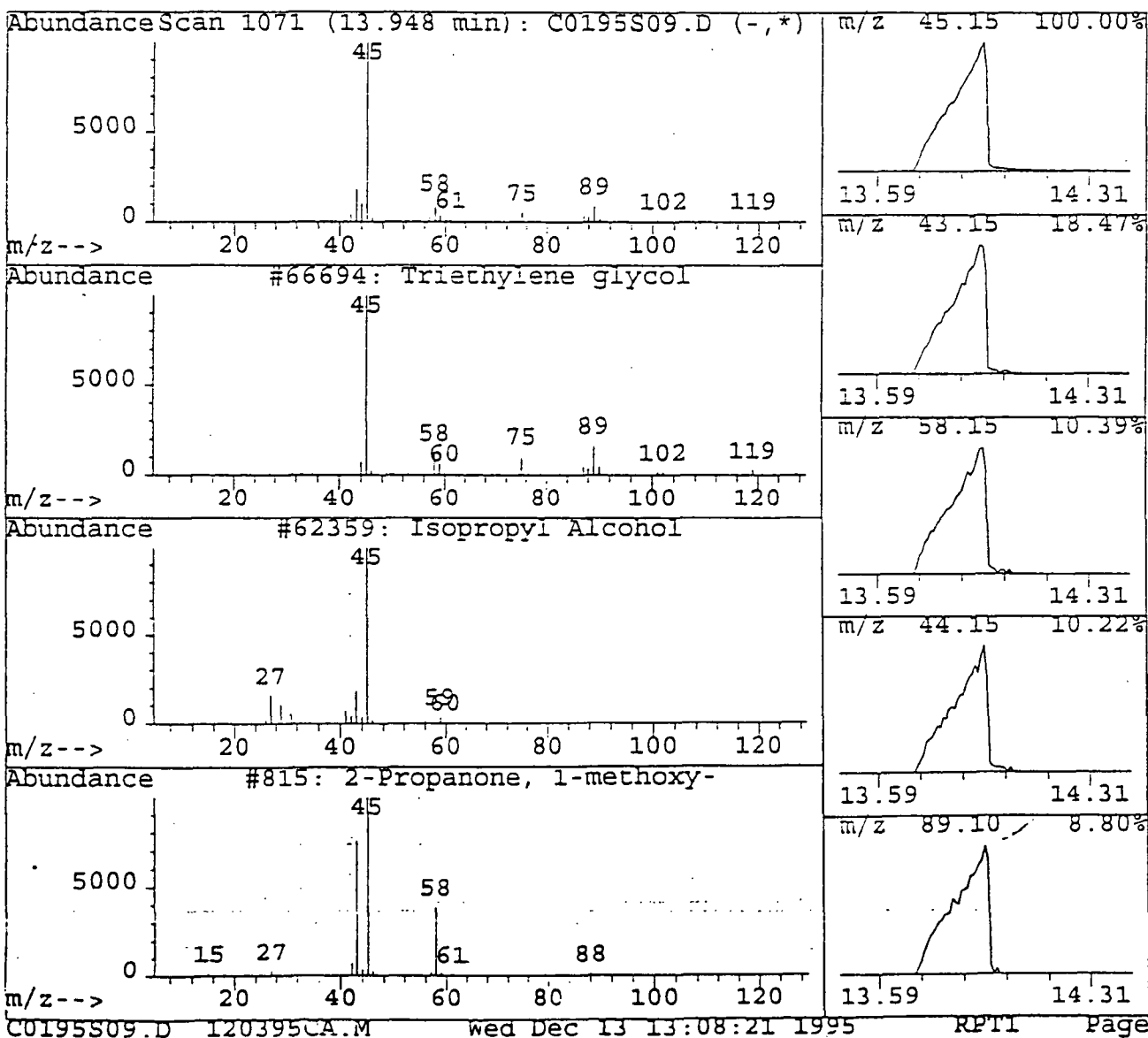
Data File : C:\HPCHEM\1\DATA\120195\C0195S09.D
Acq On : 2 Dec 95 12:28 am
Sample : 95-11-182-01 1:500
Misc : 1016-38-1B

Via 9
Operator: JTK
Inst : HP-SV 2
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\120395CA.M
Title : EPA 8270
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
13.95	279.12 ng/uL	2426955	Naphthalene-d8	13.24

Hit# of	5	Tentative ID	Ref#	CAS#	Qual
1	Triethylene glycol	66694	000112-27-6	83	
2	Isopropyl Alcohol	62359	000067-63-0	53	
3	2-Propanone, 1-methoxy-	815	005878-19-3	42	
4	2-Hexanol	63582	000626-93-7	39	
5	Ethanol, 2-[2-(ethenyloxy)ethoxy]-	5784	000929-37-3	38	





Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS BLANK SPIKE RESULTS

Modified Method 8270

Sample ID

Blank
Spike

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project: EPN-Kortz Sta.--511350

Lab Sample ID: SBS 12-01-95

Date Collected: N/A

Date Extracted: 11-24-95

Date Analyzed: 12-01-95

Sample Matrix: Sodium Sulfate

Sample Weight: 30 g

Cleanup: GPC

Final Volume: 2 mL

Results are reported on a wet weight basis.

Analyte	Spike Added (ug/kg)	Sample Concentration (ug/kg)	BS Concentration (ug/kg)	BS % Rec	QC Limit Recovery
Phenol	2500	N/A	1200	48	26-90
2-Chlorophenol	2500	N/A	1510	60	25-102
1,4-Dichlorobenzene	1670	N/A	1020	61	28-104
N-Nitroso-di-n-propylamine	1670	N/A	1310	78	41-126
1,2,4-Trichlorobenzene	1670	N/A	983	59	38-107
4-Chloro-3-methylphenol	2500	N/A	1320	53	26-103
Acenaphthene	1670	N/A	977	59	31-137
4-Nitrophenol	2500	N/A	1270	51	11-114
2,4-Dinitrotoluene	1670	N/A	995	60	28-89
Pentachlorophenol	2500	N/A	1060	42	17-109
Pyrene	1670	N/A	870	52	35-142

Analyte	Spike Added (ug/kg)	BSD Concentration (ug/kg)	BSD % REC #	% RPD	QC Limits RPD Rec
Phenol	2500	1040	42	14	35 26-90
2-Chlorophenol	2500	1280	51	16	50 25-102
1,4-Dichlorobenzene	1670	824	49	21	27 28-104
N-Nitroso-di-n-propylamine	1670	1070	64	20	38 41-126
1,2,4-Trichlorobenzene	1670	798	48	21	23 38-107
4-Chloro-3-methylphenol	2500	1110	44	17	33 26-103
Acenaphthene	1670	815	49	18	19 31-137
4-Nitrophenol	2500	811	32	44	50 11-114
2,4-Dinitrotoluene	1670	835	50	17	47 28-89
Pentachlorophenol	2500	641	26	49*	47 17-109
Pyrene	1670	753	45	14	36 35-142

SURROGATE RECOVERIES

Analyte	BS % Recovery	BSD % Recovery	% Rec Limits
2-Fluorophenol	56	43	25-121
Phenol-d5	53	45	24-113
Nitrobenzene-d5	65	55	23-120
2-Fluorobiphenyl	56	45	30-115
2,4,6-Tribromophenol	61	48	19-122
Terphenyl-d14	57	48	18-137

N/A = Not applicable

* = Outside QC limits



Analytical Technologies, Inc.

SEMIVOLATILE ORGANICS MATRIX SPIKE RESULTS

Modified Method 8270

Sample ID

In House

Lab Name: Analytical Technologies of Colorado, Inc.

Client Name: ATI - NM

Client Project: EPN-Kotz Sta.--511350

Lab Sample ID.: 95-11-185-02

Date Collected: 11-16-95

Date Extracted: 11-24-95

Date Analyzed: 12-04-95

Sample Matrix: Soil

Sample Weight: 30 g

Cleanup: GPC

Final Volume: 2 mL

Results are reported on a wet weight basis.

Analyte	Spike Added (ug/kg)	Sample Concentration (ug/kg)	MS Concentration (ug/kg)	MS % Rec	QC Limit Recovery
Phenol	2500	ND	1560	62	26-90
2-Chlorophenol	2500	ND	1440	58	25-102
1,4-Dichlorobenzene	1670	ND	897	54	28-104
N-Nitroso-di-n-propylamine	1670	ND	1010	60	41-126
1,2,4-Trichlorobenzene	1670	ND	883	53	38-107
4-Chloro-3-methylphenol	2500	ND	1460	58	26-103
Acenaphthene	1670	ND	883	53	31-137
4-Nitrophenol	2500	ND	1000	40	11-114
2,4-Dinitrotoluene	1670	ND	985	59	28-89
Pentachlorophenol	2500	ND	1080	43	17-109
Pyrene	1670	ND	1040	62	35-142

Analyte	Spike Added (ug/kg)	MSD Concentration (ug/kg)	MSD % Recovery	% RPD	QC Limits RPD Rec
Phenol	2500	1140	46	31	35 26-90
2-Chlorophenol	2500	1040	42	32	50 25-102
1,4-Dichlorobenzene	1670	617	37	37*	27 28-104
N-Nitroso-di-n-propylamine	1670	791	47	24	38 41-126
1,2,4-Trichlorobenzene	1670	655	39	30*	23 38-107
4-Chloro-3-methylphenol	2500	1000	40	37*	33 26-103
Acenaphthene	1670	653	39	30*	19 31-137
4-Nitrophenol	2500	573	23	54*	50 11-114
2,4-Dinitrotoluene	1670	664	40	39	47 28-89
Pentachlorophenol	2500	679	27	46	47 17-109
Pyrene	1670	699	42	39*	36 35-142

SURROGATE RECOVERIES

Analyte	MS % Recovery	MSD % Recovery	% Rec Limits
2-Fluorophenol	66	43	25-121
Phenol-d5	73	50	24-113
Nitrobenzene-d5	61	43	23-120
2-Fluorobiphenyl	54	40	30-115
2,4,6-Tribromophenol	58	40	19-122
Terphenyl-d14	64	45	18-137

ND = Not Detected

* = Outside QC limits



Analytical Technologies, Inc., Albuquerque, NM
San Diego • Phoenix • Seattle • Pensacola • Ft. Collins • Portland • Albuquerque

CHAIN OF C IS O I Y

DATE: 11-15-95 PAGE 1 OF 1

ATI LAB I.D.

511350

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: JOHN LAMBORN

COMPANY: EL PASO NATURAL GAS

ADDRESS: P.O. Box 4990
FARMINGTON N.M. 87499

PHONE: 505-599-2144

FAX: 505-599-2261

BILL TO: SAME AS ABOVE

COMPANY: _____

ADDRESS: _____

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
951260	11-15-95	1355	5016	-01

Petroleum Hydrocarbons (418.1)	(MOD 8015) Gas/Diesel	Diesel/Gasoline/BTXE/MTBE (MOD 8015/8020)	BTXE/MTBE (8020)	Chlorinated Hydrocarbons (601/8010)	Aromatic Hydrocarbons (602/8020)	SDWA Volatiles (502.1/503.1), 502.2 Reg. & Unreg.	Pesticides/PCB (608/8080)	Herbicides (615/8150)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Volatile Organics GC/MS (625/8240)	Polynuclear Aromatics (610/8310)	SDWA Primary Standards - Arizona	SDWA Secondary Standards - Arizona	SDWA Primary Standards - Federal	SDWA Secondary Standards - Federal	The 13 Priority Pollutant Metals	RCRA Metals by Total Digestion	RCRA Metals by TCLP (1311)
									X	X							X	

NUMBER CONTAINERS

2

PROJECT INFORMATION

SAMPLE RECEIPT

PROJ. NO.: <u>54042</u>	NO. CONTAINERS: <u>2</u>
PROJ. NAME: <u>KUTE STA. POND</u>	CUSTODY SEALS: <u>Y</u> (N) NA
P.O. NO.: _____	RECEIVED INTACT: <u>Y</u>
SHIPPED VIA: <u>FED-EX</u>	RECEIVED COLD: <u>Y</u> 1°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐ 24hr ☐ 48hr ☐ 72hr ☒ 1 WEEK (NORMAL) ☐ 2 WEEK

Comments: CHARGE TO
108-54042-24-000(-0012-51-7110)

SAMPLED & RELINQUISHED BY: 1.

RELINQUISHED BY: 2.

RELINQUISHED BY: 3.

Signature: <u>Dennis Bird</u> Time: <u>1525</u>	Signature: _____ Time: _____	Signature: _____ Time: _____
Printed Name: <u>DENNIS BIRD</u> Date: <u>11-15-95</u>	Printed Name: _____ Date: _____	Printed Name: _____ Date: _____
Company: <u>EL PASO NATURAL GAS</u> Phone: <u>505-599-2209</u>	Company: _____	Company: _____

RECEIVED BY: 1.

RECEIVED BY: 2.

RECEIVED BY: (LAB) 3.

Signature: _____ Time: _____	Signature: _____ Time: _____	Signature: <u>Dan Johnson</u> Time: <u>9:40</u>
Printed Name: _____ Date: _____	Printed Name: _____ Date: _____	Printed Name: <u>Dan Johnson</u> Date: <u>11-17-95</u>
Company: _____	Company: _____	Analytical Technologies, Inc.



Albuquerque, New Mexico

Interlab Chain of Custody

DATE: 11-17-95 PAGE: 1 OF: 1

[illegible]

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY: 1.		RELINQUISHED BY:	
PROJECT NUMBER: 511350		TOTAL NUMBER OF CONTAINERS	2	SAN DIEGO		Signature: Dan Johnson	Time: 17:00	Signature:	Time:
PROJECT NAME: EPN - Kote Sta.		CHAIN OF CUSTODY SEALS	Y	FT. COLLINS	X	Printed Name: Dan Johnson	Date: 11-17-95	Printed Name:	Date:
QC LEVEL: STD IV		INTACT?	Y	RENTON		Analytical Technologies of New Mexico, Inc.		Company: Fed Ex	
QC REQUIRED: MS MSD BLANK		RECEIVED GOOD COND./COLD	Y	PENSACOLA		Albuquerque			
TAT: STANDARD RUSH!		LAB NUMBER	95-11-182	PORTLAND		RECEIVED BY: 1.		RECEIVED BY: (LAB) 2.	
				PHOENIX		Signature:	Time:	Signature:	Time:
						Printed Name:	Date:	Printed Name:	Date:
						Company: Fed Ex		Company: ATT	
DUE DATE: 11-4									
RUSH SURCHARGE: 15%									
CLIENT DISCOUNT: 15%									
SPECIAL CERTIFICATION REQUIRED: ☐ YES ☐ NO									

District I - (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT Roger Anderson
Form C-1
Originated 4/1
Submit Orig
Plus 1 C
to approp
District O

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator <u>CORSTAN CHEMICAL CO., INC.</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>#10 COUNTY RD. 5911</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH, INC.</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>#10 County Road 5911.</u>	
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. 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. <u>1/30/96</u>	

BRIEF DESCRIPTION OF MATERIAL:

Sail Contaminated w/ new motor oil @ site, 3 MSDS's attached, and analyticals.

RECEIVED
JAN 24 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 3 drums by 6-55 gal drums cy Known Volume (to be entered by the operator at the end of the haul) 2-85 gal drums cy

RECEIVED
JAN 17 1996

SIGNATURE Reid per Robert Young TITLE: Landfarm Supervisor DATE: 1/15/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Darryl G. Jant TITLE: Geologist DATE: 1/17/96
APPROVED BY: C. S. Jant TITLE: GEOLOGIST DATE: 1/22/96

District I - (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-138
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator COASTAL CHEMICAL CO., INC.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site #10 COUNTY RD. 5911
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter ENVIROTECH, INC.
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State NM
7. Location of Material (Street Address or ULSTR) #10 County Road 5911.	
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. 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. 1/30/96	

BRIEF DESCRIPTION OF MATERIAL:

Soil Contaminated w/ new motor oil @ site, MSOS's attached, and analyticals.

6 - 55 gal drums DRY (soil)
2 - 85 gal drums DRY (soil)
Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul) _____ cy
RECEIVED JAN 17 1996
OIL CON. DIV.
DIST. 3
Sent to OCD 1/15/96

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1/15/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Feint TITLE: Geologist DATE: 1/17/96
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: _____

Source: _____

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Coastal Chemical Co Inc
concur with the status of the waste from the subject site.

Name Michael Reams
Title/Agency MANAGER
Address H/O County Rd 3971
Farmington NM 87401
Signature Michael Reams
Date 1-15-96

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

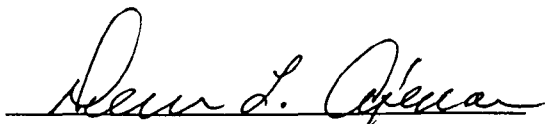
Client:	Coastal Chemical	Project #:	95007
Sample ID:	Coastal Chemical #1	Date Reported:	01-11-96
Laboratory Number:	9847	Date Sampled:	01-09-96
Chain of Custody No:	4654	Date Received:	01-09-96
Sample Matrix:	Soil	Date Extracted:	01-09-96
Preservative:	Cool	Date Analyzed:	01-10-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

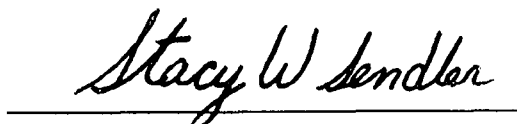
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.8
Diesel Range (C10 - C28)	0.9	0.5
Total Petroleum Hydrocarbons	0.9	0.8

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Oil Spill, #15 CR 5482, Farmington, NM.**
Five Pt Comp. 1 x 4 x 5.5', One Pt. was Greatest Conc.


Analyst


Review

95007

05/08/95 16:47 713 477 1564

COASTAL CHEMICAL --- FARMINGTON

001/018

Material Safety Data Sheet
Material Safety Data SheetCHEVRON
CHEVRON

Page 1 of 7

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Gas Engine Oil 541 SAE 15W-40

PRODUCT NUMBER(S): CPS235458

COMPANY IDENTIFICATION

Chevron USA Products Company
Environmental, Safety, and Health
Room 2900
575 Market St.
San Francisco, CA 94105-2856

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (202)483-7616PRODUCT INFORMATION: MSDS Requests: (800) 228-3500
Environmental, Safety, & Health Info: (415) 894-1899
Product Information: (800) 582-3835
-----2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % CHEVRON Gas Engine Oil 541 SAE 15W-40

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
------------	--------	-----------	-------------

LUBRICATING BASE OIL CONTAINING ONE OR MORE OF THE FOLLOWING
> 85.0%

SOLVENT REFINED DIST., HVY PAR

Chemical Name: DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC
CAS64741884

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

SOLVENT DEWAXED DIST., HVY PAR

Chemical Name: DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
CAS64742650

5 mg/m3 (mist)	ACGIH TWA
----------------	-----------

Revision Number: 12

Revision Date: 01/11/95

MSDS Number: 004701

NDA - No Data Available

NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard
(29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology

10 mg/m3 (mist) ACGIH STEL
5 mg/m3 (mist) OSHA PEL

ADDITIVES

< 15.0%

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change Has Been Proposed

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE:

This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the known toxicity of the ingredients in this substance.

SKIN:

This substance is not expected to cause prolonged or significant skin irritation. The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on the known toxicity of the ingredients in this substance.

INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. This hazard evaluation is based on data from similar materials.

INHALATION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. Prolonged or repeated breathing of petroleum oil mist can cause respiratory irritation. This hazard evaluation is based on data from similar materials.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION: Respiratory tract irritation may include, but may not be limited to, one or more of the following: nasal discharge, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

95007

4. FIRST AID MEASURES

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 3 of 7

EYE:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN:

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

INHALATION:

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: COC 486F (208C) Min.

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (x by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)483-7616

ACCIDENTAL RELEASE MEASURES:

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and

appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 4 of 7

DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. CAUTION! Do not use pressure to empty drum or drum may rupture with explosive force. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is usually necessary.

SKIN PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

ENGINEERING CONTROLS:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Pale, lemon yellow liquid.

pH: NDA

VAPOR PRESSURE: NA

VAPOR DENSITY

(AIR=1): NA

BOILING POINT: NDA

FREEZING POINT: NDA

MELTING POINT: NA

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

SPECIFIC GRAVITY: 0.88 @ 15.6/15.6C

EVAPORATION RATE: NA

UNCLAS
0.34
10/11/95

95007

VISCOSITY: 3.8 cSt @ 100C (Min.)
PERCENT VOLATILE
(VOL): NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 5 of 7

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

No product toxicology data available. The hazard evaluation was based on data on the components.

SKIN EFFECTS:

No product toxicology data available. The hazard evaluation was based on data on the components.

ACUTE ORAL EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ACUTE INHALATION EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been

95007

shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. See Chevron Material Safety Data Sheet No. 1793 for additional information on used motor oil.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

ENVIRONMENTAL FATE:

This material is not expected to present any environmental problems other than those associated with oil spills.

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 884701
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 6 of 7

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Oil collection services and collection centers are available for used motor oil recycling or disposal. Some service stations, automotive service centers, and retailers provide motor oil collection facilities.

Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE
FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP: NOT APPLICABLE

9500+

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

- | | |
|---------------------------------------|----|
| 1. Immediate (Acute) Health Effects: | NO |
| 2. Delayed (Chronic) Health Effects: | NO |
| 3. Fire Hazard: | NO |
| 4. Sudden Release of Pressure Hazard: | NO |
| 5. Reactivity Hazard: | NO |

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory

Revision Number: 2	Revision Date: 01/11/95	MSDS Number: 004701
NDA - No Data Available	NA - Not Applicable	
CHEVRON Gas Engine Oil 541 SAE 15W-40		Page 7 of 7

lists indicated.

DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC

is found on lists: 14,15,17,

DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC

is found on lists: 14,15,17,

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT:

Changes have been made throughout this Material Safety Data Sheet. Please read the entire document.

The above information is based on the data of which we are aware and is

95007

believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA - No Data Available NA - Not Applicable

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy

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

CLIENT

Department

Form C-13
Originated 4/18/9

Submit Original
Plus 1 Cc
to appropriate
District Office

EPNG
04047

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ <i>previous agreement</i>	4. Generator <i>EPNG</i>
Verbal Approval Received: Yes ☒ No ☐ <i>first</i>	5. Originating Site <i>various pits</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	6. Transporter <i>Doug Gatz/E.T.</i>
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	8. State <i>NM</i>
7. Location of Material (Street Address or ULSTR) <i>See Attachment</i>	<i>1/18/96</i>
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. ☐ 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:

*Contaminated Soil (Exempt) from various pits
(debris & drips) in the State of N.M. for December 19*

RECEIVED
JAN 19 1996

OIL CON. DIV.
DIST. 3

*Sent to OGD
1/18/96.*

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul) *2104* cy

SIGNATURE: *Robert M. Young*
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: *1/18/96*

TYPE OR PRINT NAME: Robert M. Young

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Denny G. Fent* TITLE: *Geologist* DATE: *1/19/96*

APPROVED BY: *John Bruch* TITLE: *u* DATE: *u*

ENVIROTECH SOIL REMEDIATION FACILITY
HILLTOP, NEW MEXICO
EPNG (04047) TRACKING LOG 12/95

DECEMBER 1995
LANDFARM #5

COORD. T-R-S-L	METER #S	PIT NAME	SHIPMENT DATE	CLOSURE DATE	QUANTITY CUBIC YARDS	DESTINATION (LANDFARM : CELL)
24-4-24-K	93530	APACHE #28	12/01/95	12/01/95	360	LF #5: K-17, L-17
24-4-23-I	94530	APACHE #31	12/01/95	12/01/95	252	LF #5: M-17
29-9-18-O	87491	VALENCIA GAS COM C#1	12/01/95	12/01/95	240	LF #5: A-15
29-9-18-O	75199	VALENCIA GAS COM B#1	12/01/95	12/01/95	100	LF #5: A-15, B-14
27-7-23-H	71458	RINCON UNIT #64	12/02/95	12/02/95	40	LF #5: B-14
30-8-19-G	94403 & 94404	FLORANCE #111 DK&PC	12/02/95	12/04/95	70	LF #5: B-14
24-3-16-G	94516	LINDRITH B #23	12/02/95	12/02/95	90	LF #5: J-17
24-4-24-K	93530	APACHE #28	12/02/95	12/01/95	108	LF #5: K-17
24-3-9-O	95256	LINDRITH B #26	12/02/95	12/02/95	144	LF #5: K-17, J-17
30-8-19-G	94403	FLORENCE #111	12/02/95	12/04/95	160	LF #5: A-16, B-14, C-13
29-9-9-C	72413	LIKINS GAS COM #C-1	12/05/95	12/05/95	170	LF #5: A-16, A-17
30-8-13-K	89565	NORTHEAST BLANCO UNIT #5A	12/05/95	12/05/95	370	LF #5: A-15, A-16

TOTAL YARDAGE THIS PAGE: 2104.00

TOTAL YARDAGE THIS MONTH: 2104.00

Revised	12/16/96		Envirotech December, 1995		
Closed	Meter	Meter2	Location	S T R L	Comments
12/1/95	75199		Valencia Gas Com B #1	18-28-9-O	
12/1/95	87491		Valencia Gas Com C #1	18-29-9-O	
12/1/95	94530		Apache # 31	23-24-4-I	
12/1/95	93530		Apache #28	24-24-4-K	
12/2/95	71458		Rincon Unit #64	23-27-7-H	
12/2/95	94516		Lindrith B #23	16-24-3-G	
12/2/95	95256		Lindrith B #28	9-24-3-O	
12/4/95	94403	94404	Florance #111 DK&PC	19-30-8-G	
12/5/95	72413		Likins Gas Com C #1	9-29-9-C	
12/5/95	89585		North East Blanco Unit #5A	13-30-8-K	

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECEIVED
JAN 22 1996
OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: A list of pit closures is attached. December, 1995

Source: Various dehydrator and drip pits in the state of New Mexico.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the _____
concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency Superintendent/Compliance Engineering

P O Box 4990

Address Farmington New Mexico 87499-99

Signature Sandra D Miller

Date January 04, 1996

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13

Original 4/18/95

Adit

Submit Origin:
Plus 1 Cop
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ 2:40 P/1-16-96 Verbal Approval Received: Yes ☒ No ☐ previous agreement w/ Dennis four.	4. Generator <i>Medion Oil Inc.</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	5. Originating Site <i>Val Verde Park</i>
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	6. Transporter <i>Envirotech</i>
7. Location of Material (Street Address or ULSTR) <i>A 514 T29N R11 W, NMPM</i>	8. State <i>NM</i>
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. ☐ 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:

Continuation of MDEA Charcoal filter Media.

12/5/95
Lf #2
Box 8909
Grid D21

RECEIVED
JAN 17 1996

OIL CON. DIV.
DIST. 3

Sent to OCD
1/16/96
Ver. approval 12/1/95 11:05
2) 1/16/96 14:

Estimated Volume 15 cy Known Volume (to be entered by the operator at the end of the haul) 15 cy

SIGNATURE: *Robert M. Young* TITLE: Landfarm Supervisor DATE: 1/16/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

PROVED BY: *Dennis G. Faint* TITLE: Geologist DATE: 1/17/96

APPROVED BY: *Robert M. Young* TITLE: u DATE: u

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Val Verde plant
Source: Charcoal Filter Pots for MDEA
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name Craig A. Back
Title/Agency Environmental Representative
Address P.O. Box 4289
Farmington New Mexico 87409-4289
Signature C. A. Back
Date 12/1/95

Exempt Waste Manifest Meridian Oil Inc.

PO Box 4289, Farmington, NM 87409

Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 15 Cubic Yards Barrels Gallons
3. Description of Waste: Charcoal Filter Media
4. Method of Waste Generation: Charcoal is used to filter the MDEA at the plant. MDEA is used to remove CO2 from the gas stream.
5. Disposal Facility: EnviroTech Landfarm
6. Disposal Cost: \$16 yd³/
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

C. R. Beck
(signature)

Date 12/1/95

MOI
Representative

Transportation Company: EnviroTech

Date(s) Transported: 12-5-95

MOI Representative on Site

Bert Gaudin
(signature)

Date 12-5-95

Disposal Facility
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: 12-5-95

Total Volume Received: 15 yds.

Waste Location: Cell/Grid No.

Received By: Kevin Hall

(signature)

(305) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy

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

CLIENT

Department

Form C-138
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Verbal Approval Received 1-4-96 2:40 a.m.</i>	4. Generator <u>Meridian Oil</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	5. Originating Site <u>Val Verde Plant</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	6. Transporter <u>Envirotech</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>New Mexico</u>
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. 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.	A Sec 14 T29N RUW, NMPH

BRIEF DESCRIPTION OF MATERIAL:

Continuation of MDEA CHARCOAL FILTER MEDIA

BOL 9014
LF#2 D-21
16 cy

RECEIVED
JAN 11 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 14 cy Known Volume (to be entered by the operator at the end of the haul) 16 cy

SIGNATURE: Robert M. Young for RMU TITLE: Landfarm Supervisor DATE: 1-9-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 1/11/96
APPROVED BY: Ernie Bush TITLE: u DATE: 5

Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4288, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 124 Cubic Yards Barrels Gallons
3. Description of Waste: Charcoal Filter Media
4. Method of Waste Generation: Charcoal is used to filter the MDEA at the plant. MDEA is used to remove CO2 from the gas stream.
5. Disposal Facility: Envirotech
6. Disposal Cost: \$16 / yd³
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4. /

Approval for Disposal

Keith Boedeker
(signature)

Date 1-3-96

MOI
Representative

Transportation Company:

Date(s) Transported:

MOI Representative on Site

(signature)

Date _____

Disposal Facility
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received:

Total Volume Received:

Waste Location : Celi/Grid No.

Received By :

(signature)

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant
Source: Charcoal Filter Media
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name Keith Broecker
Title/Agency Environmental Representative
Address P.O. Box 4289
Farmington New Mexico 87499-4289
Signature Keith Broecker
Date 1-3-96

Hobbs, N. 98241-1980
District III - (505) 748-1283
111 S. First
Artesia, NM 88210
District III - (505) 334-6178
000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Department

Form C-1
Originated 4/11

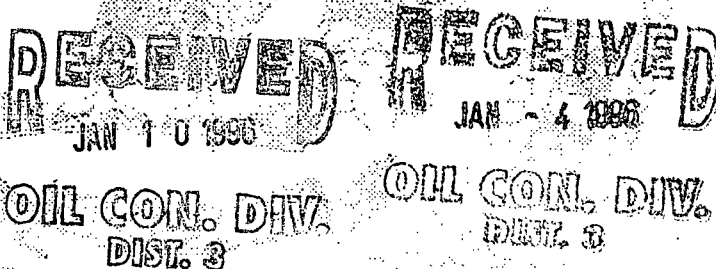
Submit Orig
Plus 1 C
to appropr
District Of

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HALLIBURTON</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>HALLIBURTON MAIN YARD</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E MAIN ST. FARMINGTON N.M.</u>
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. 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:

Cement STABILIZED SOIL & SLUDGE from Acid Sump.
TCLP ATTACHED.



Estimated Volume 120 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1-4-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Feurt TITLE: Geologist DATE: 1/4/96
APPROVED BY: Dis. intin TITLE: Geologist DATE: 1-8-96

0161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-138
Originated 4/18/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HALLIBURTON</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>HALLIBURTON MAIN YARD</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E MAIN ST. FARMINGTON N.M.</u>
9. <u>Circle One</u> : 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. 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:

Constant STABILIZED Soil & SLUDGE from Acid Sump.
TCLP ATTACHED.

RECEIVED
JAN - 4 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 120 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Robert M. Young TITLE: Landfarm Supervisor DATE: 1-4-95
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny De Feunt TITLE: Geologist DATE: 1/4/95
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: HALLIBURTON ENERGY SERVICES, 4109 E. MAIN FARMINGTON, N.M.

Source: Soil & Sludge From clean up of former Acid Terminal Sump.

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Halliburton Energy Services concur with the status of the waste from the subject site.

Name Matt D. Laditt
Title/Agency Sp. Env. Eng.

Address P.O. Box 1931
Duncan, OK 73523

Signature Matt D. Laditt

Date 01/05/96

Client:	OVAC	Project #:	95008-01
Sample ID:	Maintenance/Acid sump Comp.	Date Reported:	12-21-95
Lab ID#:	9828	Date Sampled:	12-19-95
Sample Matrix:	Soil	Date Received:	12-19-95
Preservative:	Cool	Date Analyzed:	12-19-95
Condition:	Cool & Intact	Chain of Custody:	4207

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 12.39

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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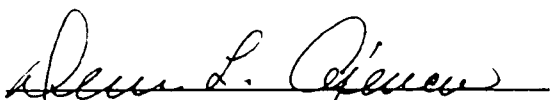
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

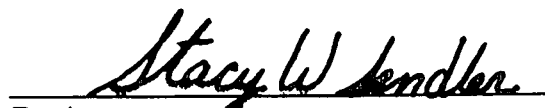
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Halliburton Main Yard, 4109 E. Main, Farmington.


Analyst


Review

Client:	OVAC	Project #:	95008-01
Sample ID:	Maintenance/Acid Sump Comp	Date Reported:	12-20-95
Laboratory Number:	9828	Date Sampled:	12-19-95
Chain of Custody:	4207	Date Received:	12-19-95
Sample Matrix:	Soil	Date Extracted:	12-19-95
Preservative:	Cool	Date Analyzed:	12-20-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

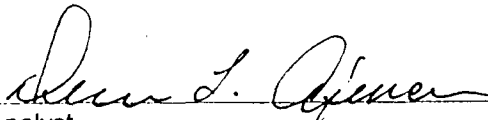
ND - Parameter not detected at the stated detection limit.

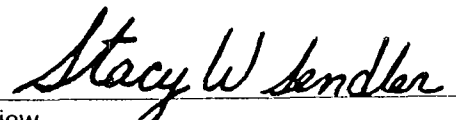
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	96%
	Bromofluorobenzene	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Halliburton Main Yard, 4109 E. Main, Farmington.


Analyst


Review

Client:	OVAC	Project #:	95008-01
Sample ID:	Maintenance/Acid Sump Comp	Date Reported:	12-21-95
Laboratory Number:	9828	Date Sampled:	12-19-95
Chain of Custody:	4207	Date Received:	12-19-95
Sample Matrix:	Soil	Date Extracted:	12-19-95
Preservative:	Cool	Date Analyzed:	12-21-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.024	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	95%
	2,4,6-Tribromophenol	102%

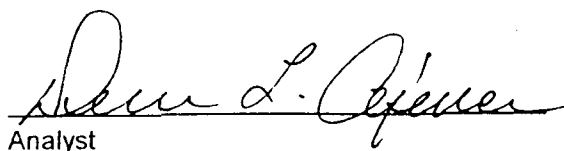
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

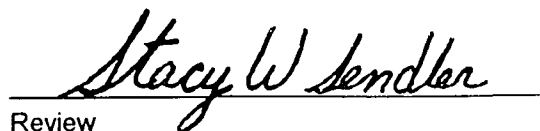
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Halliburton Main Yard, 4109 E. Main, Farmington.


Analyst


Review

Client:	OVAC	Project #:	95008-01
Sample ID:	Maintenance/Acid Sump Comp	Date Reported:	12-21-95
Laboratory Number:	9828	Date Sampled:	12-19-95
Chain of Custody:	4207	Date Received:	12-19-95
Sample Matrix:	Soil	Date Extracted:	12-19-95
Preservative:	Cool	Date Analyzed:	12-21-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Halliburton Main yard, 4109 E. Main, Farmington.


Analyst


Review

Client:	OVAC	Project #:	95008-01
Sample ID:	Maintenance/Acid Sump Comp	Date Reported:	12-21-95
Laboratory Number:	9828	Date Sampled:	12-19-95
Chain of Custody:	4207	Date Received:	12-19-95
Sample Matrix:	Soil	Date Analyzed:	12-21-95
Preservative:	Cool	Date Extracted:	12-19-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	0.44	0.01	100
Cadmium	ND	0.001	1.00
Chromium	0.009	0.001	5.00
Lead	0.056	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

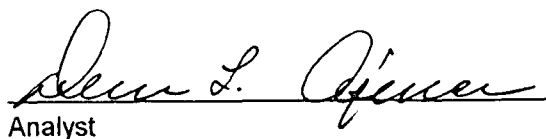
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

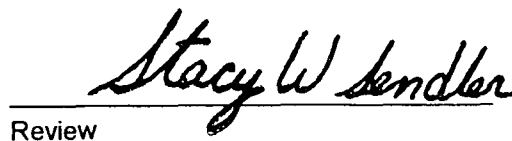
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Halliburton Main Yard, 4109 E. Main, Farmington.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-20-95
Laboratory Number:	12-20-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-20-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

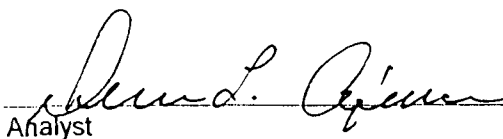
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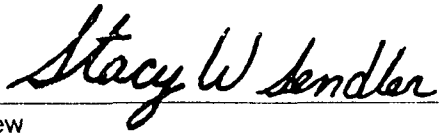
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9828.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-20-95
Laboratory Number:	12-19-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-20-95
Condition:	N/A	Date Extracted:	12-19-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

ND - Parameter not detected at the stated detection limit.

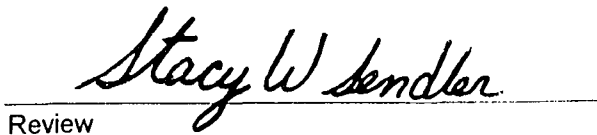
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9828.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

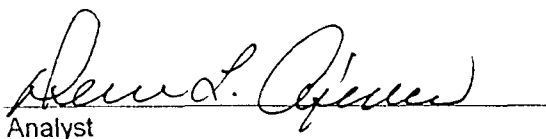
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-20-95
Laboratory Number:	9828	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-20-95
Condition:	N/A	Date Extracted:	12-19-95

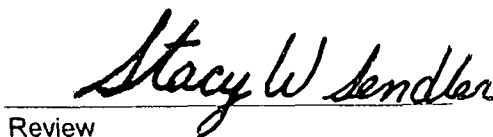
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0003	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9828.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 9828
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

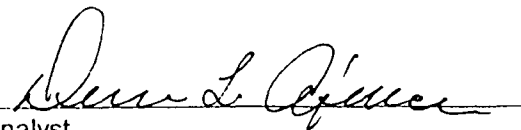
Project #: N/A
Date Reported: 12-20-95
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12-20-95
Date Extracted: 12-19-95

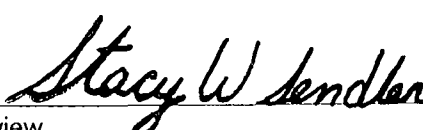
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0201	0.0002	100%	28-163
1,1-Dichloroethene	ND	0.020	0.0200	0.0002	100%	43-143
2-Butanone (MEK)	ND	0.020	0.0203	0.0003	100%	47-132
Chloroform	ND	0.020	0.0198	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0198	0.0001	99%	43-143
Benzene	ND	0.020	0.0198	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.020	0.0200	0.0001	99%	51-147
Trichloroethene	ND	0.020	0.0194	0.0001	97%	35-146
Tetrachloroethene	ND	0.020	0.0194	0.0002	97%	26-162
Chlorobenzene	ND	0.020	0.0195	0.0001	97%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0226	0.0001	99%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9828.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-21-95
Laboratory Number:	12-21-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-21-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.024	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	100 %

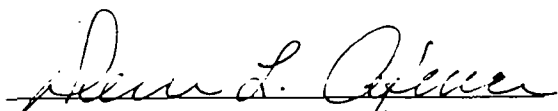
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9828.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-21-95
Laboratory Number:	12-19-T.CA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-19-95
Condition:	Cool & Intact	Date Analyzed:	12-21-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.024	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

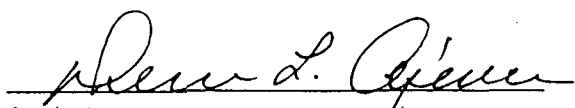
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **QA/QC for sample 9828.**


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-21-95
Laboratory Number:	9828	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-19-95
Condition:	Cool & Intact	Date Analyzed:	12-21-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.021	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.024	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

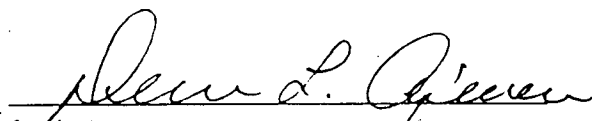
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

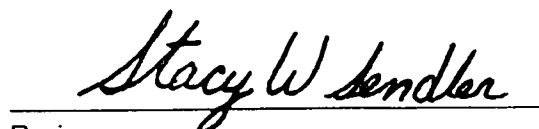
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9828.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-21-95
Laboratory Number:	12-21-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	12-21-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9828.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 12-19-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 12-21-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: 12-19-95
Date Analyzed: 12-21-95
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

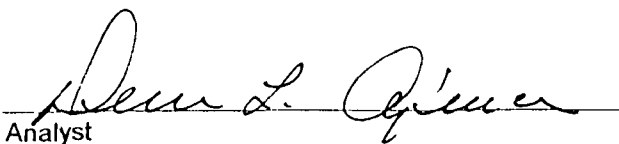
ND - Parameter not detected at the stated detection limit.

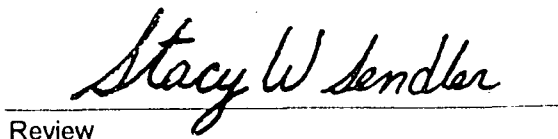
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	103%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9828.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-21-95
Laboratory Number:	9828	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	12-19-95
Condition:	N/A	Date Analyzed:	12-21-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
---------------------------	-----------	--------------------

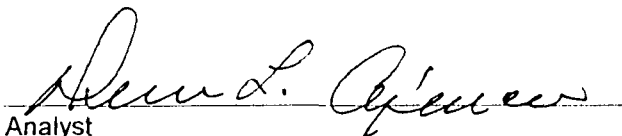
8090 Compounds

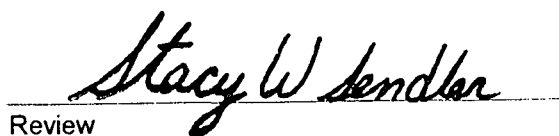
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9828.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	12-21-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-21-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

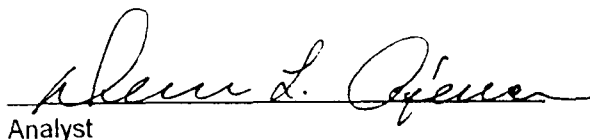
ND - Parameter not detected at the stated detection limit.

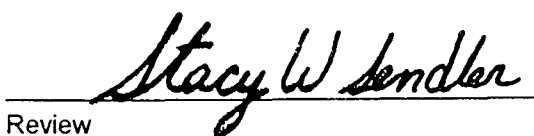
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9828.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-21-95
Laboratory Number:	9828	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-21-95
Condition:	N/A	Date Extracted:	12-19-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	0.44	0.45	2.2%
Cadmium	ND	ND	0.0%
Chromium	0.009	0.009	0.0%
Lead	0.056	0.055	1.8%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

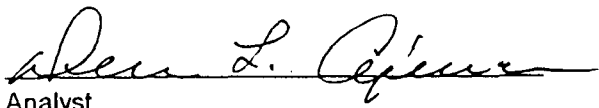
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9828.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	12-21-95
Laboratory Number:	9828	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-21-95
Condition:	N/A	Date Extracted:	12-19-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.100	100%
Barium	1.00	0.44	1.45	101%
Cadmium	0.100	ND	0.101	101%
Chromium	0.100	0.009	0.109	100%
Lead	0.100	0.056	0.156	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.100	100%
Silver	1.0	ND	1.00	100%

ND - Parameter not detected at the stated detection limit.

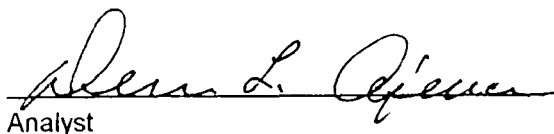
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

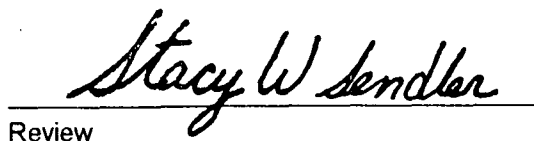
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9828.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name OVAC			Project Location 4109 Easton Farmington HALLIBURTON MAIN YARD		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>Hallen</i>			Chain of Custody Tape No. 95008-01		No. of Containers 2	TCLP w/ H&P ✓						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>Maintenance Area Sump Compartment</i>	12-19-95	8:31	9828	Soil								
Relinquished by: (Signature) <i>Hallen</i>			Date 12-19-95	Time 9:11	Received by: (Signature) <i>Chahorlang</i>			Date 12/19/95	Time 0911			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
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to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Verbal Denny Faust OCP 7-2-96 9:30 AM</i>	4. Generator EPFS.
2. Management Facility Destination <i>Enviro-Tech Landfarm #2</i>	5. Originating Site <i>Lindorff Separator Pit</i>
3. Address of Facility Operator <i>5796 U.S. Highway 64</i>	6. Transporter <i>Dawson Trucking</i>
7. Location of Material (Street Address or ULSTR)	8. State <i>New Mexico</i>
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. 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:

Sludge remaining in a field liquids separator pit following evaporation of liquids. Field liquids from various locations

*LF2
Unit 5
A18-D18*

RECEIVED
JUL 03 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 320 bbls cy Known Volume (to be entered by the operator at the end of the haul) 1205 bbls cy

SIGNATURE: *Harold M. Brown* TITLE: Landfarm MGR DATE: 7-2-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: _____ TELEPHONE NO. _____

(This space for State Use)

APPROVED BY: *Denny G. Fount* TITLE: Geologist DATE: 7/3/96
APPROVED BY: *Eric Bush* TITLE: u DATE: u

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

(ADJACENT TO LINDRITH PLANT)

Originating Location: LINDRITH SEPARATOR Pit (SEC 18; 24N; 5W)Source: FIELD LIQUIDS FROM VARIOUS LOCATIONSDisposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Field Services.
concur with the status of the waste from the subject site.

Name SANDRA D. MILLERTitle/Agency SUPERINTENDENT
EPFSAddress PO BOX 4590
FARMINGTON, NM 87401Signature Sandra D MillerDate 7/2/96

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 2, 1996

Roger Anderson
Environmental Bureau Chief
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

RECEIVED
JUL 03 1996

OIL CON. DIV.
DIST. 3

Re: Receipt of non-exempt petroleum hydrocarbon soils without analysis at Envirotech's Landfarm#2

Dear Roger:

El Paso Field Services is in the process of site cleanup and soil remediation projects at several of their compressor facilities in the San Juan Basin. These cleanups typically involve several waste streams. One of the sites is at the Lindrith Compressor Station, Section 18, T24N, R5W in Rio Arriba County. There are currently three projects active at this site. Some confusion has developed in the field as to what has been approved by the NMOCD for shipment. Two of the projects have approval by the NMOCD as of July 2, 1996. The third project involving cleanup of non-exempt oilfield waste (motor and compressor oils) is currently underway without NMOCD approval. To complicate matters an Environmental Compliance Engineer from El Paso Field Services who may have been involved in the project has recently left EPFS. We have sorted out the problem with the assistance of Sandra Miller, Superintendent, El Paso Environmental Compliance.

A soil sample was delivered to Envirotech's laboratory for analysis on June 26, 1996. Results are expected either July 3 or 5, 1996. The trucking operation has been shut down, pending analytical results. Soils that have already been received have been flagged to note their exact location in the event that the TCLP results fail. Loads in transit were returned to the Lindrith Compressor Station. Please note that El Paso Field Services Personnel have been extremely cooperative in sorting through this project.

Envirotech personnel, the Philip Environmental Project Manager, and El Paso Field Services Compliance Engineers have all been briefed on the need to be very specific in identifying the originating location and waste stream process for various types of contaminated media.

If you have questions or comments regarding this incident please feel free to contact us at (505)632-0615.

Sincerely,



Harlan M. Brown
Landfarm Manager, Staff Geologist

cc: Denny Foust, NMOCD, 1000 Rio Brazos Rd, Aztec, NM 87410

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy

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

CLIENT

Form C-13
Originated 4/18/96

Submit Original
Plus 1 Copy
to appropriate
District Office

92107

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ <i>Army forest</i> Verbal Approval Received: Yes ☒ No ☐	4. Generator <i>Meridian Val Verde Plant</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	5. Originating Site <i>Val Verde Plant</i>
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	6. Transporter <i>Envirotech Inc.</i>
7. Location of Material (Street Address or ULSTR) <i>Val Verde Plant</i>	8. State <i>NM</i>
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. ☐ 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:

Continuation of Charcoal FILTER MEDIA

ATE: 4/3/96
Box: 9163
LF#: 2
grid: 023
16 cy

RECEIVED
JUN 21 1996
OIL CON. DIV.
DIST. 3

Estimated Volume *16 cy* cy Known Volume (to be entered by the operator at the end of the haul) *16* cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Supervisor* DATE: _____
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: *Harlan M. Brown* TELEPHONE NO. *505-632-0615*

(This space for State Use)

APPROVED BY: *Denny Fount* TITLE: *Geologist* DATE: *6/21/96*
APPROVED BY: *Ernie Bush* TITLE: *"* DATE: *"*

Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

92197

Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 16 Cubic Yards Barrels Gallons
3. Description of Waste: Charcoal Filter Media
4. Method of Waste Generation: Charcoal is used to filter the MDEA at the plant. MDEA is used to remove CO2 from the gas stream.
5. Disposal Facility: Envirotech
6. Disposal Cost: \$16.43
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

(signature)

Date

4/2/96

MOI
Representative

Transportation Company: Envirotech

Date(s) Transported: _____

MOI Representative on Site

(signature)

Date

Disposal Facility

Complete and
return to
Meridian

Safety and
Environmental
with Invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____

(signature)

Revised January 16, 1994

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Val Verde Plant
Source: Charcoal Filter Pads
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Environmental Representative
Address P.O. Box 4289
Farmington New Mexico 87409-4289
Signature _____
Date _____

M 88241-1980
District II - (505) 748-1283
811 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

Original 4/1
Submit On
Plus 1
to approp
District C

96003-07

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator EPFS
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Chaco Plant
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter E.P.F.S.
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	SW 4 S16 T26N R12W NMPM
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. 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:

WASTES GENERATED DURING CLEANING PLANT BOILERS.

TCLP ATTACHED.

RECEIVED
JUN 14 1996
OIL CON. DIV.
DIST. 3

RECEIVED
OIL CON. DIV.
DIST. 3

Envirotech have Norm's testing in file

Estimated Volume 20 bbls ± cy Known Volume (to be entered by the operator at the end of the haul) 20 bbls cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 5-29-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Feant TITLE: Geologist DATE: 5/29/96
APPROVED BY: [Signature] TITLE: Geologist DATE: 6/12/96

P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-1
Originated 4/18

Submit Original
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to appropriate
District Office

96003-07

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>EPFS</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>CHACO Plant</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>E.P.F.S.</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>SW4 S16 T26N R12W NMPH</u>
9. <u>Circle One:</u> 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. 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:

WASTES GENERATED DURING CLEANING PLANT BOILERS.
TCLP ATTACHED.

RECEIVED
MAY 29 1996

Suggest Envirotech have Norms testing in file.

ON. DIV.
DIST. 3

Estimated Volume 20 bbls ± cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 5-29-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Zent TITLE: Geologist DATE: 5/29/96
APPROVED BY: _____ TITLE: _____ DATE: _____



Mr. Robert Young
Envirotech Inc.
5796 U.S. Hwy 64-3014
Farmington, NM 87401

May 28, 1996

**Subject: Request Approval for Disposal of Non-Exempt Soil at Envirotech Landfarm
Chaco Plant Waste Heat Boiler - Cleaning Waste**

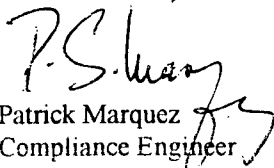
Mr. Young,

Chaco Plant has recently generated approximately 20 bbls of scale and hydrocarbons removed from the waste heat boiler. EPFS request approval to dispose of the soil at Envirotech's Landfarm. Below are the appropriate details for disposal:

- Chaco Plant is located in SW/4 of T-26-N and R-12-W.
- Enclosed is the Certification of Waste Status for Non-Exempt Waste Material
- The waste was transferred from the boiler to a tank and then to drums and allowed to dry. Samples were collected and submitted to your lab for the appropriate analysis.
- Volume of waste is estimated at 20 bbls.
- Transport will be coordinated by Chaco Plant personnel upon NMOCD approval. Please submit invoices directly to Chaco Plant, Attention: Mr. Pablo Quintana

Please review the analytical results and contact me at 599-2175 when Envirotech has received NMOCD approval.

Thank you,


Patrick Marquez
Compliance Engineer

xc: attachments
Denny Foust - NMOCD Aztec
Chris Eustice - NMOCD Santa Fe
Pablo Quintana - EPFS
Sandra Miller/David Bays/File: 1996 Demolition

File: Chaco Analytical

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: El Paso Field Services - Chaco Plant.Source: Boiler Cleaning wastes - 20 bbls ±Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Field Services Co.
concur with the status of the waste from the subject site.

Name: Patrick S. MarquezTitle/Agency: Compliance EngineerOperations ComplianceAddress: P.O. Box 4990Farmington, N.M. 87499.Signature: P.S. MarquezDate: 5/28/96

96003-

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: El Paso Field Services - Chaco PlantSource: Boiler Cleaning wastes - 20 bbls ±Disposal Location: Envirotech Soil Remediation Facility (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Field Services Co.
concur with the status of the waste from the subject site.

Name Patrick S. MarquezTitle/Agency Compliance Engineer -
Operations ComplianceAddress P.O. Box 4990Farmington, N.M. 87499Signature P.S. MarquezDate 5/28/96 JS

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0	D004	* Hexachlorobenzene	0.13	D032
* Barium	100.0	D005	* Hexachlorobutadiene	0.5	D033
Benzene	0.5	D018	* Hexachloroethane	3.0	D034
* Cadmium	1.0	D006	* Lead	5.0	D008
Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE * Chlordane	0.03	D020	* Mercury	0.2	D009
Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0	D022	* Methyl ethyl ketone	200.0	D035
* Chromium	5.0	D007	* Nitrobenzene	2.0	D036
Cresol	200.0	D026	* Pentachlorophenol	100.0	D037
m-Cresol	200.0	D024	* Pyridine	5.0	D038
o-Cresol	200.0	D023	* Selenium	1.0	D010
p-Cresol	200.0	D025	* Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5	D027	* Tetrachloroethylene	0.7	D039
1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7	D029	* Trichloroethylene	0.5	D040
2,4-Dinitrotoluene	0.13	D030	* 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	* 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	* Vinyl chloride	0.2	D043

*-EP Toxic wastes: TCLP must now be utilized for characterizing these wastes

Envirotech, Inc.

Practical Solutions For A Better Tomorrow

May 23, 1996

Mr. John Lambdin
El Paso Field Services, Inc.
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 96003

Dear John,

Enclosed are the analytical results for the sample collected from the EPFS location designated as "Chaco Plant - Waste Heat Boiler Waste Drums". One sludge sample was collected by EPFS personnel on May 17, 1996, and received by the Envirotech laboratory on May 20, 1996 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 4608 and assigned Laboratory No. A183 (EPFS No. 960467) for tracking purposes.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It is always a pleasure doing business with you.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler
Laboratory Manager

enc.

SWS\sws

96003lb1.ltr

5790 U.S. Highway 64-3014 - Farmington, New Mexico 87401 - Tel 505-632-0615 - Fax 505-632-1865

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960467	Date Reported:	05-21-96
Lab ID#:	A183	Date Sampled:	05-17-96
Sample Matrix:	Sludge	Date Received:	05-20-96
Preservative:	Cool	Date Analyzed:	05-20-96
Condition:	Cool & Intact	Chain of Custody:	4608

Parameter	Result
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IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 9.01

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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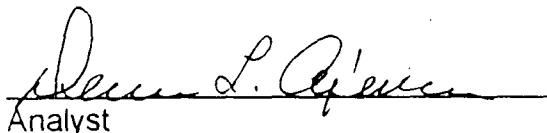
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

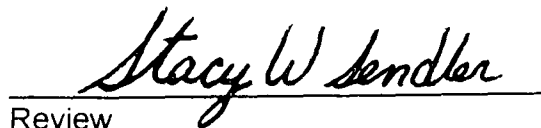
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Chaco Plant
Waste Heat Boiler Waste Drums.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	El paso Field Sevice	Project #:	96003
Sample ID:	960467	Date Reported:	05-22-96
Laboratory Number:	A183	Date Sampled:	05-17-96
Chain of Custody:	4608	Date Received:	05-20-96
Sample Matrix:	Sludge	Date Extracted:	05-20-96
Preservative:	Cool	Date Analyzed:	05-22-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

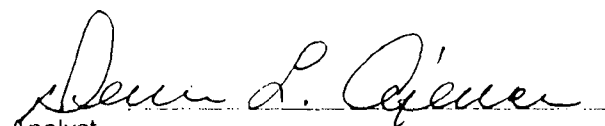
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Chaco Plant.**
Waste Heat Boiler Waste Drums.


Analyst


Review

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960467	Date Reported:	05-23-96
Laboratory Number:	A183	Date Sampled:	05-17-96
Chain of Custody:	4608	Date Received:	05-20-96
Sample Matrix:	Sludge	Date Extracted:	05-20-96
Preservative:	Cool	Date Analyzed:	05-23-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	102%
	2,4,6-Tribromophenol	98%

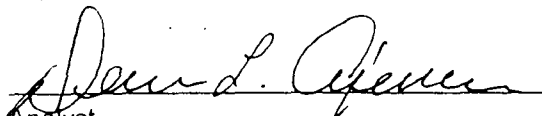
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

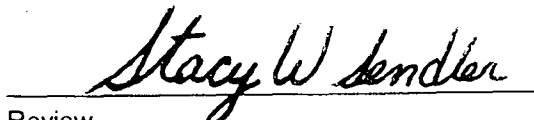
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Chaco Plant.**
Waste Heat Boiler Waste Drums.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960467	Date Reported:	05-23-96
Laboratory Number:	A183	Date Sampled:	05-17-96
Chain of Custody:	4608	Date Received:	05-20-96
Sample Matrix:	Sludge	Date Extracted:	05-20-96
Preservative:	Cool	Date Analyzed:	05-23-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.025	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

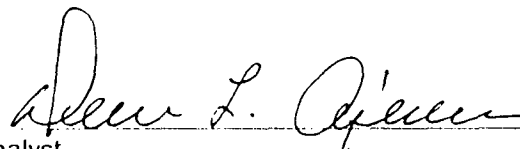
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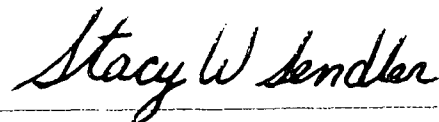
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	94%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Chaco Plant.
Waste Heat Boiler Waste Drums.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960467	Date Reported:	05-23-96
Laboratory Number:	A183	Date Sampled:	05-17-96
Chain of Custody:	4608	Date Received:	05-20-96
Sample Matrix:	Sludge	Date Analyzed:	05-23-96
Preservative:	Cool	Date Extracted:	05-20-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	0.25	0.01	100
Cadmium	0.008	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.054	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	0.012	0.001	5.0

ND - Parameter not detected at the stated detection limit.

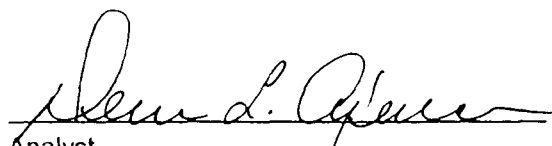
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

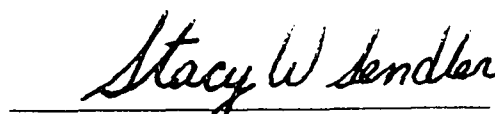
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Chaco Plant.**
Waste Heat Boiler Waste Drums.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-22-96
Laboratory Number:	05-22-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-22-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

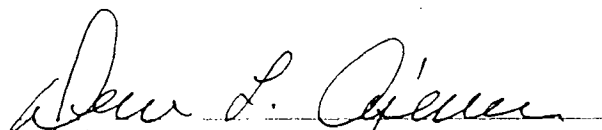
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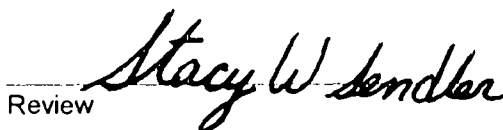
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **QA/QC for samples A183 - A184.**


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-22-96
Laboratory Number:	05-20-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-22-96
Condition:	N/A	Date Extracted:	05-20-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

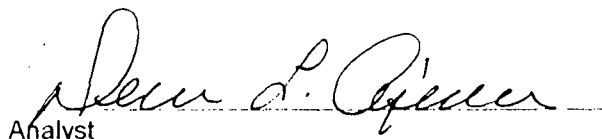
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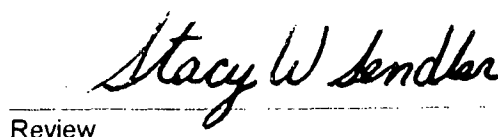
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

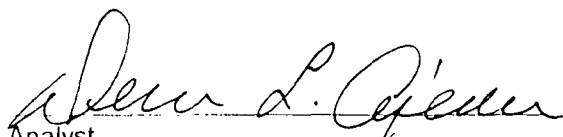
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-22-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-22-96
Condition:	N/A	Date Extracted:	05-20-96

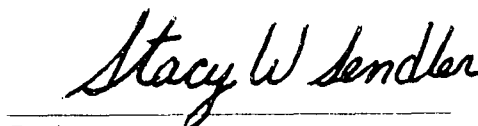
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: A184
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

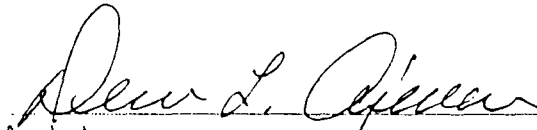
Project #: N/A
Date Reported: 05-22-96
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 05-22-96
Date Extracted: 05-20-96

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0205	0.0002	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0219	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0001	98%	47-132
Chloroform	ND	0.020	0.0197	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0195	0.0001	98%	43-143
Benzene	ND	0.020	0.0200	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.020	0.0196	0.0001	98%	51-147
Trichloroethene	ND	0.020	0.0201	0.0003	100%	35-146
Tetrachloroethene	ND	0.020	0.0199	0.0005	99%	26-162
Chlorobenzene	ND	0.020	0.0198	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0210	0.0002	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-23-96
Laboratory Number:	05-23-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-23-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	97 %

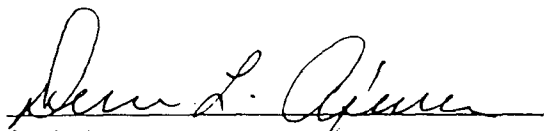
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

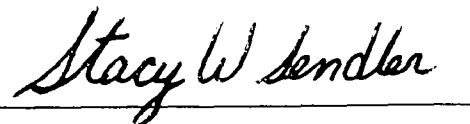
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-23-96
Laboratory Number:	05-20-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	05-20-96
Condition:	Cool & Intact	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	97%
	2,4,6-Tribromophenol	99%

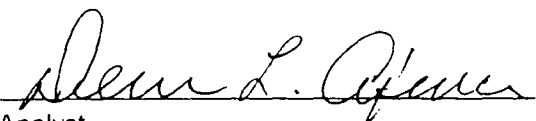
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

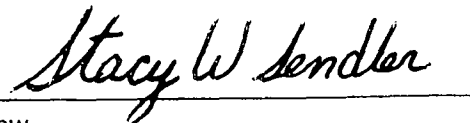
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	05-21-96
Condition:	Cool & Intact	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 05-23-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 05-23-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 05-23-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.025	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

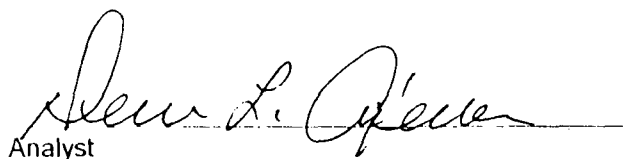
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

375

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 05-20-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 05-23-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 05-20-96
Date Analyzed: 05-23-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.025	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
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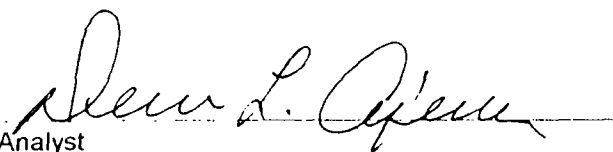
2-fluorobiphenyl

97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	05-20-96
Condition:	N/A	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.025
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

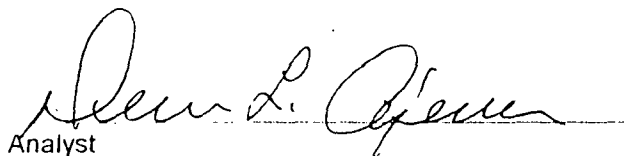
ND - Parameter not detected at the stated detection limit.

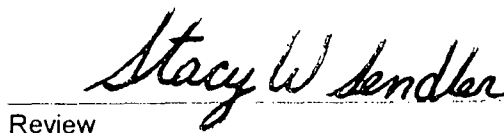
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	05-23-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-23-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

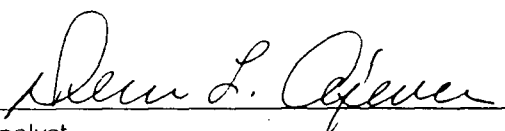
ND - Parameter not detected at the stated detection limit.

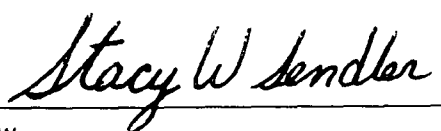
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-23-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	3.42	3.39	0.9%
Cadmium	0.018	0.018	0.0%
Chromium	ND	ND	0.0%
Lead	ND	ND	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	0.005	0.005	0.0%

ND - Parameter not detected at the stated detection limit.

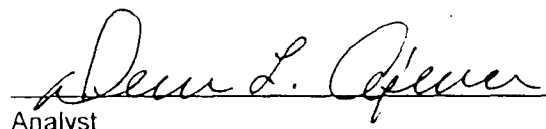
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

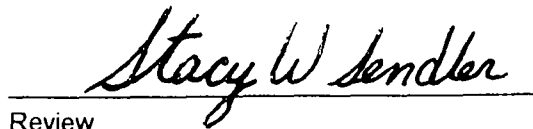
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-23-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.098	98%
Barium	1.00	3.42	4.42	100%
Cadmium	0.050	0.018	0.067	99%
Chromium	0.050	ND	0.048	96%
Lead	0.100	ND	0.099	99%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.098	98%
Silver	0.050	0.005	0.055	100%

ND - Parameter not detected at the stated detection limit.

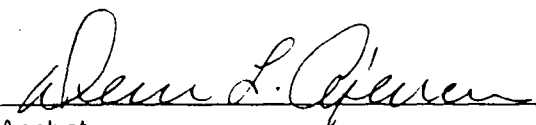
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

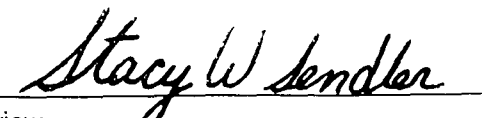
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

CHAIN OF CUSTODY RECORD

[illegible]**ENVIROTECH INC.**

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/18/

Submit Original
Plus 1 Copy
to appropriate
District Office

92142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator <u>PESCO</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>PESCO main yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>ENVIROTECH INC</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>P.O. Box 920</u>	<u>5680 US Hwy 64</u> <u>FARMINGTON NM 87401</u>
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. ☐ 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. <u>5/96</u>	

BRIEF DESCRIPTION OF MATERIAL:

Solid waste generated from the cleaning and Refurbishing of the following equipment:

- 1) PRODUCTION STORAGE TANKS
- 2) SEPARATORS
- 3) DEHYDRATORS
- 4) Other PRODUCTION EQUIPMENT

RECEIVED
MAY 24 1996

OIL CON. DIV.
DIST. 2

Sent to OCD
5-21-96

Estimated Volume 10 BBLs cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 5/20/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Danny G. Faut TITLE: Geologist DATE: 5/28/96
APPROVED BY: Ernie Burch TITLE: " DATE: "

Monday, May 20, 1996

Gary Wm. Reid, Ph. D.

ENVIROTECH, INC.

5796 US Hwy. 64-3014
Farmington, NM 87401

**CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE**

Originating Location: PROCESS EQUIPMENT AND SERVICE CO.

Source: OILFIELD PRODUCTION STORAGE TANKS, SEPARATORS, DEHYDRATORS AND
OTHER PRODUCTION EQUIPMENT

Disposal Location: ENVIROTECH SOIL REMEDIATION FACILITY, (ESRF)
HILLTOP, NM

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a hazard or listed waste pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a hazardous waste pursuant to the provisions of 40 CFR, section 261.3(b)."

"I, the undersigned, as the agent for PROCESS EQUIPMENT AND SERVICE CO. concur with the status of the waste from the subject site."

Name: BLAKE WALLACE

Title: PRODUCTION MANAGER

Address: 5680 Hwy. 64
Farmington, NM 87401

Signature: Blake Wallace

Date: 5-20-96

P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
814 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Department
OIL CONSERVATION DIVISION
RECEIVED
MAY 9 1996

Form C
Originated

Submit
Plus
to app
District

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	3. Service
Verbal Approval Received: Yes ☐ No ☐	4. Generator
2. Management Facility Destination: Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	5. Originating Site
3. Address of Facility Operator: 5796 Hwy. 64-3014 Farmington, NM	6. Transporter: BJ Ser.
7. Location of Material (Street Address or ULSTR)	8. State: NM
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. 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:

Antifreeze approx 20 gals / Diesel approx 20 gals Spilled
from a broken line on BJ Ser. Truck.
MSDS for Antifreeze & Diesel attached.

LF2
H19

RECEIVED RECEIVED
MAY - 7 1996 MAY 16 1996

Sent
5/6/96

Estimated Volume: 2-3 cy Known Volume (to be entered by the operator at the end of the haul): 65 cy

SIGNATURE: [Signature] TITLE: Landfarm Supervisor DATE: 5-6-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: [Signature] TITLE: Geologist DATE: 5/8/96
APPROVED BY: [Signature] TITLE: GEOLOGIST DATE: 5/13/96

District I - (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

rm .1
Originated 4/1

Submit
Plus 1
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	BT Services
Verbal Approval Received: Yes ☐ No ☐	4. Generator
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	5. Originating Site
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	6. Transporter BT Ser.
7. Location of Material (Street Address or ULSTR)	8. State NM
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. 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:

Antifreeze approx 20 gals / Diesel approx 20 gals Spilt
from a broken line in BT Ser. Truck.
MSDS for Antifreeze & Diesel attached.

RECEIVED
MAY - 7 1996

Sent
5/6/96

Estimated Volume 2-3 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [Signature]
Waste Management Facility Authorized Agent

TITLE: Landfarm Supervisor

DATE: 5-6-96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: [Signature]

TITLE: Geologist

DATE: 5/8/96

APPROVED BY: _____

TITLE: _____

DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: .2 mi north of Flores Vento Stop light, Hg 550
Source: Ruptured fuel & anti-freeze lines on Service Truck
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for B. J. Services
concur with the status of the waste from the subject site.

Name Les Bagh
Title/Agency Facilities Supervisor
Address 3250 South Hill Road,
Farmington, New Mexico, 87401
Signature Les Bagh
Date 5/6/96

DIESEL

HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 0
PERSONAL PROTECTION: b

PRODUCT NAME.....	DIESEL
CHEMICAL DESCRIPTION.....	Diesel Oil
PRODUCT USE.....	Fracturing
SUPPLIER.....	BJ SERVICES
ADDRESS.....	5500 NORTHWEST CENTRAL DR HOUSTON TX 77092
EMERGENCY TELEPHONE NUMBER.....	(800)424-9300 for CHEMTREC (202) 483-7616 in Alaska
PREPARED BY.....	BJ SERVICES ENVIRONMENTAL GROUP (713)351-0773
DATE PREPARED.....	December 1993 Supersedes: December 1992

HAZARDOUS COMPONENTS	CAS #	PERCENT	HAZARD
Petroleum Distillates	N.E.	100	Combustible

FLASHPOINT AND METHOD OF DETERMINATION.....		100 - 165°F (CC)
UPPER EXPLOSION LIMIT(% BY VOL).	5.0	
LOWER EXPLOSION LIMIT(% BY VOL).	0.7	
AUTO-IGNITION TEMPERATURE.....	N.E.	
EXTINGUISHING MEDIA.....	Dry chemical, CO ₂ , or foam.	
SPECIAL FIRE FIGHTING PROCEDURES	None	
EXPLOSION DATA.....	None	
HAZARDOUS COMBUSTION PRODUCTS...	Carbon monoxide, carbon dioxide, and a variety of hydrocarbons	

PRIMARY ROUTES OF ENTRY..... SKIN CONTACT
INHALATION

BJ SERVICES
MATERIAL SAFETY DATA SHEET

DIESEL

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 0
PERSONAL PROTECTION: h

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT..... Prolonged or repeated contact with skin
may cause irritation or contact
dermatitis.

SKIN ABSORPTION..... Not absorbed by skin.

EYE CONTACT..... Eye contact may cause irritation and
redness.

INHALATION..... Prolonged exposure may cause signs and
symptoms of Central Nervous System
depression such as headache, dizziness,
loss of appetite, weakness, and loss of
coordination. May also lead to chemical
pneumonia.

INGESTION..... Will cause nausea, vomiting, diarrhea, and
restlessness.

CHRONIC OVEREXPOSURE EFFECTS.... Eye irritation, skin irritation leading to
dermatitis, CNS depression and chemical
pneumonia.

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Petroleum Distillates	N.E.	N.E.

CARCINOGENICITY, REPRODUCTIVE
EFFECTS..... Petroleum distillate, a component of this
product, has been shown to cause skin
cancer in laboratory animals.

TERATOGENICITY, MUTAGENICITY.... No effects listed.

TOXICITY STUDIES

LD(50)..... N.E.
LC(50)..... N.E.

**BJ SERVICES
MATERIAL SAFETY DATA SHEET**

DIESEL

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 0
PERSONAL PROTECTION: h

=====

SECTION V - FIRST AID PROCEDURES

=====

FOR EYES..... Immediately flush with plenty of water for
at least 15 minutes.
If irritation persists, contact a
physician.

FOR SKIN..... Flush skin with water or wash with mild
soap and water if available.
If irritation persists, contact a
physician.

FOR INHALATION..... Remove to fresh air.
If breathing is labored, give oxygen.
If breathing has stopped, give artificial
respiration. Keep person warm, quiet and
get medical attention.

FOR INGESTION..... DO NOT induce vomiting.
Aspiration into the lungs will cause
severe chemical pneumonia.
Seek medical attention immediately!

=====

SECTION VI - PHYSICAL DATA

=====

APPEARANCE AND ODOR..... Amber or blue, slightly viscous liquid,
characteristic odor.

SPECIFIC GRAVITY..... 0.8

VAPOUR PRESSURE..... N.E.

VAPOUR DENSITY (air=1)..... 4.5

EVAPORATION RATE..... N.E.

BOILING POINT..... 175 - 325°C

FREEZING POINT..... N.E.

SOLUBILITY IN H2O..... Insoluble

pH..... N.A.

=====

SECTION VII - REACTIVITY DATA

=====

CHEMICAL STABILITY..... Stable

BJ SERVICES
MATERIAL SAFETY DATA SHEET

DIESEL

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 0
PERSONAL PROTECTION: h

INCOMPATIBLE MATERIALS..... Strong oxidizers
HAZARDOUS POLYMERIZATION..... DOES NOT POLYMERIZE
HAZARDOUS DECOMPOSITION PRODUCTS See Combustion Products

=====

SECTION VIII - SPECIAL/PERSONAL PROTECTION

=====

VENTILATION..... The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.

RESPIRATORY PROTECTION..... As Needed
Air Purifying
Half Face Piece
Cartridge or Cannister Respirator
Organic Vapor

PROTECTIVE GLOVES..... Rubber or Neoprene

EYE PROTECTION..... Goggles

OTHER PROTECTIVE EQUIPMENT..... Eyewash bottles or other rinsing equipment should be easily accessible.

=====

SECTION IX - HANDLING PRECAUTIONS

=====

LEAK AND SPILL PROCEDURES..... Eliminate ignition sources.
Dike or contain spill to prevent material from entering waterways. Pump large spills into salvage containers. Soak up residue or small spills with absorbent pads, clay, or dirt and place in salvage containers.

WASTE DISPOSAL..... Dispose of according to all local/state/and federal regulations

**BJ SERVICES
MATERIAL SAFETY DATA SHEET**

DIESEL

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 0
PERSONAL PROTECTION: h

**HANDLING PROCEDURES & SPECIAL
EQUIPMENT.....**

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Keep away from heat, sparks and open flames. Keep containers closed when not in use.

STORAGE REQUIREMENTS.....

Store outdoors or in a detached area if possible. Otherwise, store in a well-ventilated area away from heat, sparks and open flames.

=====

SECTION X - REGULATORY INFORMATION

=====

SHIPPING INFORMATION

PROPER SHIPPING NAME..... Diesel Fuel
HAZARD CLASS..... 3
UN/NA NUMBER..... NA 1993
PACKING GROUP W/ "PG"..... PG III
SUBSIDIARY RISK..... N.A.
REPORTABLE QUANTITY (RQ)..... N.A.
EMERGENCY GUIDE RESPONSE #... 27

ENVIRONMENTAL INFORMATION

SARA TITLE III

SECTION 302/304..... This product does not contain ingredients listed as an Extremely Hazardous Substance.
SECTION 311/312..... IMMEDIATE & DELAYED & FIRE
SECTION 313..... This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals

OTHER REGULATORY INFORMATION

TSCA INVENTORY..... All of the components in this product appear on the TSCA inventory.

BJ SERVICES
MATERIAL SAFETY DATA SHEET

DIESEL

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 3
REACTIVITY: 0
PERSONAL PROTECTION: h

CALIFORNIA PROP 65..... None of the chemicals on the current
Proposition 65 list are known to be
present in this product.

=====

SECTION XI - REVISIONS

=====

SECTION #

REVISION

VI

Updated physical data to reflect blue color of
frac diesel

=====

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

=====

ANTIFREEZE/COOLANT

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: a

PRODUCT NAME.....	ANTIFREEZE/COOLANT
CHEMICAL DESCRIPTION.....	Ethylene Glycol
PRODUCT USE.....	Antifreeze/Coolant
SUPPLIER.....	BJ SERVICES
ADDRESS.....	5500 NORTHWEST CENTRAL DR HOUSTON TX 77092
EMERGENCY TELEPHONE NUMBER.....	(800)424-9300 for CHEMTREC (202) 483-7616 in Alaska
PREPARED BY.....	BJ SERVICES ENVIRONMENTAL GROUP (713)351-0773
DATE PREPARED.....	December 1992 Supersedes: December 1990

Ethylene Glycol	107-21-1	80 - 96 Irritant
May contain an additive package of borates, nitrites, nitrates, molybdates, benzoate, metasilicate, and polytriazole.		

FLASHPOINT AND METHOD OF DETERMINATION..... 230^oF (PMCC)
UPPER EXPLOSION LIMIT(% BY VOL). 15.3
LOWER EXPLOSION LIMIT(% BY VOL). 3.2
AUTO-IGNITION TEMPERATURE..... N.E.
EXTINGUISHING MEDIA..... Dry chemical, CO₂, foam or water spray.

**BJ SERVICES
MATERIAL SAFETY DATA SHEET**

ANTIFREEZE/COOLANT

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: g

SPECIAL FIRE FIGHTING PROCEDURES Use water to keep fire-exposed containers cool.

If leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for personnel attempting to stop leak. Water spray may be used to flush spills away from exposures.

EXPLOSION DATA..... None

HAZARDOUS COMBUSTION PRODUCTS... Products of combustion may contain carbon monoxide, carbon dioxide, and other toxic materials. If water evaporates off, residual materials could burn. Small amounts of oxides of nitrogen can be produced.

=====

SECTION IV - HEALTH HAZARD DATA

=====

PRIMARY ROUTES OF ENTRY..... INGESTION

ACUTE OVEREXPOSURE EFFECTS:

SKIN CONTACT..... May cause slight irritation with possible redness, edema, or drying of the skin.

SKIN ABSORPTION..... Not absorbed by skin.

EYE CONTACT..... May cause slight irritation.

INHALATION..... Drowsiness, narcosis, and unconsciousness possible upon exposure to high concentrations in poorly ventilated confined spaces.

INGESTION..... Harmful or fatal if ingested.

CHRONIC OVEREXPOSURE EFFECTS.... May cause liver and kidney damage.

**BJ SERVICES
MATERIAL SAFETY DATA SHEET**

ANTIFREEZE/COOLANT

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: g

EXPOSURE LIMITS:

HAZARDOUS COMPONENT	ACGIH TLV	OSHA PEL
Ethylene Glycol May contain an additive package of borates, nitrites, nitrates, molybdates, benzoate, metasilicate, and polytriazole.	50 ppm	50 ppm

CARCINOGENICITY, REPRODUCTIVE
EFFECTS..... Not listed as carcinogen - IARC, NTP OR
OSHA

TERATOGENICITY, MUTAGENICITY.... Oral administration of extremely high
doses to mice and rats which were toxic
to the pregnant female, were also toxic
to the newborn and caused birth defects.

TOXICITY STUDIES

LD(50)..... Human: Lethal dose (oral) is 1.0 - 1.5
g/kg.
Aquatic: This product is degraded
biologically in both surface water and
waste treatment plants and should present
no aquatic toxicity.

LC(50)..... N.E.

=====

SECTION V - FIRST AID PROCEDURES

=====

FOR EYES..... Immediately flush with plenty of water for
at least 15 minutes.
If irritation persists, contact a
physician.

FOR SKIN..... Flush skin with water or wash with mild
soap and water if available.
If irritation persists, contact a
physician.

BJ SERVICES
MATERIAL SAFETY DATA SHEET

ANTIFREEZE/COOLANT

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: g

-FOR INHALATION..... Remove to fresh air.
If breathing is labored, give oxygen.
If breathing has stopped, give artificial
respiration. Keep person warm, quiet and
get medical attention.

FOR INGESTION..... INDUCE VOMITING IMMEDIATELY! Call a
physician. NOTE TO PHYSICIAN: The
principle toxic effects of ethylene
glycol when swallowed are kidney damage
and metabolic acidosis. Ethanol is
antidotal, and its early administration
may block the formation of nephrotoxic
metabolites of ethylene glycol in liver.
Ethanol should be given intravenously as
a 5% solution in sodium bicarbonate, at a
rate of about 10 ml ethanol per hour. A
desired therapeutic level of ethanol in
blood is 100 mg/dl. Hemodialysis may be
required. 4-Methylpyrazole, a potent
inhibitor of alcohol dehydrogenase, has
been used therapeutically to decrease the
metabolic consequences of ethylene glycol
poisoning before coma, seizure and renal
failure have occurred (20 mg/kg/day).
Pulmonary edema with hypozemia has been
described in a number of patients
following poisoning with ethylene glycol.
The mechanism of production has not been
elucidated, but it appears to be
noncardiogenic in origin in several
cases. Respiratory support with
mechanical ventilation and positive
end-expiratory pressure may be required.
There may be cranial nerve involvement in
the late stages of toxicity. In
particular, effects have been reported
involving the seventh, eighth and ninth
cranial nerves, presenting with bilateral
facial paralysis, diminished hearing and
dysphagia.

**BJ SERVICES
MATERIAL SAFETY DATA SHEET**

ANTIFREEZE/COOLANT

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: 9

SECTION VI - PHYSICAL DATA

=====

APPEARANCE AND ODOR.....	Color may vary from blue to blue-green to bright fluorescent yellow-green. Mild glycol odor.
SPECIFIC GRAVITY.....	1.12 - 1.13
VAPOUR PRESSURE.....	<0.1
VAPOUR DENSITY (air=1).....	2.14
EVAPORATION RATE.....	N.E.
BOILING POINT.....	>300°F
FREEZING POINT.....	N.E. but lowers the freezing point of water from -1°F (33% solution) to -62°F (60% solution).
SOLUBILITY IN H2O.....	Complete
pH.....	10

=====

SECTION VII - REACTIVITY DATA

=====

CHEMICAL STABILITY.....	Stable
INCOMPATIBLE MATERIALS.....	Strong oxidizers
HAZARDOUS POLYMERIZATION.....	DOES NOT POLYMERIZE
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide, carbon monoxide and vapors of ethylene glycol

=====

SECTION VIII - SPECIAL/PERSONAL PROTECTION

=====

VENTILATION.....	The use of mechanical ventilation is recommended whenever this product is used in a confined space. Where engineering controls are not feasible, assure use is in an area where there is natural air movement.
RESPIRATORY PROTECTION.....	Not normally required
PROTECTIVE GLOVES.....	Rubber or Neoprene
EYE PROTECTION.....	Goggles

=====

**BJ SERVICES
MATERIAL SAFETY DATA SHEET**

ANTIFREEZE/COOLANT

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: g

OTHER PROTECTIVE EQUIPMENT..... Eyewash bottles or other rinsing equipment should be easily accessible.

=====

SECTION IX - HANDLING PRECAUTIONS

=====

LEAK AND SPILL PROCEDURES..... Dike or contain spill to prevent material from entering waterways. Pump large spills into salvage containers. Soak up residue or small spills with absorbent pads, clay, or dirt and place in salvage containers.

WASTE DISPOSAL..... Dispose of according to all local/state/and federal regulations

HANDLING PROCEDURES & SPECIAL EQUIPMENT..... Avoid contact with skin and eyes.
DO NOT TAKE INTERNALLY! MAY BE FATAL!

STORAGE REQUIREMENTS..... Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

=====

SECTION X - REGULATORY INFORMATION

=====

SHIPPING INFORMATION

PROPER SHIPPING NAME..... Not DOT Regulated
HAZARD CLASS..... N.A.
UN/NA NUMBER..... N.A.
PACKING GROUP W/ "PG"..... N.A.
SUBSIDIARY RISK..... N.A.
REPORTABLE QUANTITY (RQ)..... N.A.
EMERGENCY GUIDE RESPONSE #... N.A.

ENVIRONMENTAL INFORMATION

SARA TITLE III

**BJ SERVICES
MATERIAL SAFETY DATA SHEET**

ANTIFREEZE/COOLANT

HMIS HAZARD INDEX

HEALTH: 3
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTION: g

SECTION 302/304..... This product does not contain ingredients listed as an Extremely Hazardous Substance.
SECTION 311/312..... IMMEDIATE & DELAYED
SECTION 313..... This product contains the following ingredients (at a level of 1% or greater) which appear on the List of Toxic Chemicals:
Ethylene glycol

OTHER REGULATORY INFORMATION

TSCA INVENTORY..... All of the components in this product appear on the TSCA inventory.
CALIFORNIA PROP 65..... None of the chemicals on the current Proposition 65 list are known to be present in this product.

=====

SECTION XI - REVISIONS

=====

SECTION #	REVISION
II	Added OSHA Hazard
X	Shipping Information Updated

=====

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

1. (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/18/

Submit Origin
Plus 1 Copy
to appropriate
District Office

95031-02

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator Red Cedar Gathering
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Capote Compressor Station
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter Envirotech
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State Colo - N. Mex.
7. Location of Material (Street Address or ULSTR)	Sec 34 T33N, R7W, La Plata County, CO
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. 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:

Activated charcoal. filtration media

LF 2
H 15

RECEIVED
MAY 21 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 7 cy Known Volume (to be entered by the operator at the end of the haul) 9 drums cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 5-20-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 05/22/96
APPROVED BY: Ernie Bunch TITLE: _____ DATE: _____

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Section 34 of 33 N 9W La Plata Co. Colo.
Source: Capate Compressor Station, Natural Gas Extraction System
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Red Cedar Gathering Co. concur with the status of the waste from the subject site.

Name James H. Mayo C.S.P.
Title/Agency Manager, Safety & Environmental
Red Cedar Gathering Co. 81301
Address 26206 Hwy. 160
Durango, Colo. 81301
Signature James H. Mayo
Date 5-20-96



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

Mr. James H. Mayo
Red Cedar Gathering Company
26266 Highway 160
Durango, Colorado 81301

Re: Capote Compressor Station

Dear Mr. Mayo:

Enclosed please find a copy of the approved "Certificate from Out of State Agency Authorizing Removal of RCRA Exempt Oilfield Waste from their Jurisdiction to New Mexico", for the Capote Compressor Station. Your request was approved on May 9, 1996. If additional information is required, contact Ken Young, Petroleum Engineer or Diana F. Olguin, Realty Officer at (970) 563-4514.

Sincerely,

A handwritten signature in cursive script, reading "Charles A. Reuter".

Superintendent

ACTING

Enclosure

CERTIFICATE FROM OUT OF STATE AGENCY
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE
FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning the oilfield waste material from location Carote Compressor Station-LaPlata ^{Colorado} Cty, and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

X The material is exempt from regulation because it is classified as non-hazardous oilfield waste by definition.

 The material is exempt from regulation by characteristic analyses.

 The material is exempt from regulation by product identification.

THEREFORE:

As a representative for Bureau of Indian Affairs I have no objections to the material being removed to New Mexico.

NAME: Charles Recker TITLE: Acting Superintendent

SIGNATURE: Charles A. Recker DATE: 5/9/96

AGENCY: Bureau of Indian Affairs

ADDRESS: P.O. Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Section 34 of 33N 9W

Source: Capote Compressor Station, Natural Gas Filtration System
(Silica-gel and Activated Charcoal)

Disposal Location: Envirotech Soil Remediation Facility, Hilltop, San Juan County,
New Mexico

" As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as an agent for Red Cedar Gathering Company concur with the status of the waste from the subject site.


James H. Mayo

May 3, 1996

Manager, Safety and Environmental
Red Cedar Gathering Company
26266 Hwy. 160,
Durango, Colorado 81301
(970) 247-5754

Hobb 241-1980
District (505) 748-1283
811 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

Form C
Originated 4

Submit 0
Plus 1
to appropriate
District

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator EL Paso Field Servi.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Largo Plant
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter Bar 37 Envirotech
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	See 15, T26N, R7W.
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. 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:

Petroleum Hydrocarbon Contaminated soil. Generated during demolition of Compressor station. May include Compressor oils, condensate or other exempt wastes Associated w/ Natural Gas.

ICLP Attached

LF2
units

RECEIVED
MAY 24 1996
JUN - 7 1996
OIL CON. DIV.
DIST. 3
183

Estimated Volume 1000-4000 cy Known Volume (to be entered by the operator at the end of the haul) 183 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 5-24-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

Verbal Chris Eustice 5/28/96

(This space for State Use)

APPROVED BY: Denny Z. Fourny TITLE: Geologist DATE: 5/28/96
APPROVED BY: [Signature] TITLE: Geologist DATE: 6/3/96

ENVIROTECH, INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615 telephone

(505) 632-1865 fax

RECEIVED
MAY 24 1996

OIL CON. DIV.
DIST. 3

"ENVIRONMENTAL SCIENTISTS"

Date: 5-24-96

Total Pages Including Cover: 25

Fax Number: 505-827-8177

To: CHRIS EUSTICE or Roger ANDERSON.

From: HARLAN M. BROWN

Comments: CHRIS or Roger: E.P.F.S. would like to
start moving petroleum hydrocarbon contaminated Soil Tuesday
5-28-96. The soil is to be removed from under the
footings & Foundations of the old compressor building. P.H.'s are
from Compressor oil, condensate & other hydrocarbons associated
w/ Natural Gas Production. TELP ATTACHED Thanks HMB

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/18/

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator EL Paso Field Services
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Largo Plant
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter Bar 37 ENVIROTECH
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	Sec 15, T26N, R7W.
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. 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:

Petroleum Hydrocarbon Contaminated soil. Generated during demolition of Compressor station. May include Compressor oils, condensate or other exempt wastes associated w/ Natural Gas.
TCLP Attached.

RECEIVED
MAY 24 1996

OIL CON. DIV.

Estimated Volume 1000-4000 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm-Supervisor DATE: 5-24-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

Verbal Chris Eustice 5/28/96

(This space for State Use)		
APPROVED BY: <u>Denny D. Fount</u>	TITLE: <u>Geologist</u>	DATE: <u>5/28/96</u>
APPROVED BY: _____	TITLE: _____	DATE: _____

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: LARGO STATION (SEC. 15 T. 26N ~~R. 7~~ W)

Source: EDGES OF COMPRESSOR BUILDING

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

'As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b).'

I, the undersigned as the agent for the EPFS
concur with the status of the waste from the subject site.

Name SANDRA D. MILLER
Title/Agency SUPERINTENDENT, OPERATIONS COMPLIANCE
Address P.O. Box 4990
FARMINGTON, NM 87499
Signature Sandra D Miller
Date 5/24/96

E.P.F.S.

LARGO Compressor Station Demo.

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 Pesticide
Pesticide Chlordane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 Pesticide
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
Herbicide * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 Herbicide
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 Pesticide
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
Pesticide * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
Pesticide Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

* - EP Toxic wastes: TCLP must now be utilized for characterizing these wastes

Envirotech, Inc.

Practical Solutions For A Better Tomorrow

May 23, 1996

Mr. John Lambdin
El Paso Field Services, Inc.
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 96003

Dear John,

Enclosed are the analytical results for the sample collected from the EPFS location designated as "Largo Station - Edges of Comp. Building". One soil sample was collected by EPFS personnel on May 20, 1996, and received by the Envirotech laboratory on May 20, 1996 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 4609 and assigned Laboratory No. A184 (EPFS No. 960468) for tracking purposes.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It is always a pleasure doing business with you.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler

Laboratory Manager

enc.

SWS\sws

96003lb2.ltr

5796 U.S. Highway 64-3014 - Farmington, New Mexico 87401 - Tel 505-632-0615 - Fax 505-632-1805

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960468	Date Reported:	05-21-96
Lab ID#:	A184	Date Sampled:	05-20-96
Sample Matrix:	Soil	Date Received:	05-20-96
Preservative:	Cool	Date Analyzed:	05-21-96
Condition:	Cool & Intact	Chain of Custody:	4609

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 6.35

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

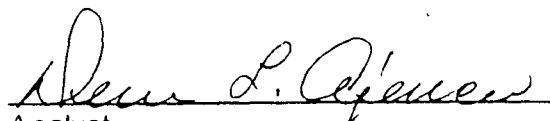
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

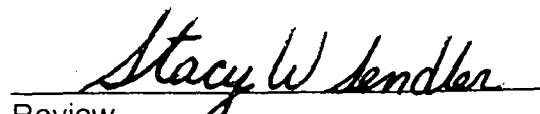
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Largo Station.
Edges of Comp. Building.


Analyst


Review

Client:	El paso Field Service	Project #:	96003
Sample ID:	960468	Date Reported:	05-22-96
Laboratory Number:	A184	Date Sampled:	05-20-96
Chain of Custody:	4609	Date Received:	05-20-96
Sample Matrix:	Soil	Date Extracted:	05-21-96
Preservative:	Cool	Date Analyzed:	05-22-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

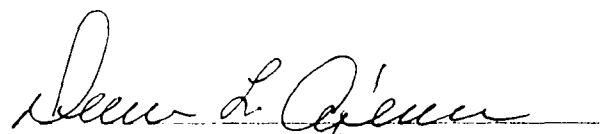
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Largo Station.**
Edges of Comp. Building.


Analyst


Review

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960468	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	05-20-96
Chain of Custody:	4609	Date Received:	05-20-96
Sample Matrix:	Soil	Date Extracted:	05-21-96
Preservative:	Cool	Date Analyzed:	05-23-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	101%
	2,4,6-Tribromophenol	97%

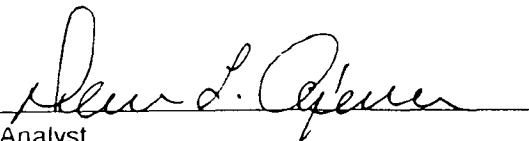
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Largo Station.**
Edges of Comp. Building.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics**

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960468	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	05-20-96
Chain of Custody:	4609	Date Received:	05-20-96
Sample Matrix:	Soil	Date Extracted:	05-21-96
Preservative:	Cool	Date Analyzed:	05-23-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.025	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

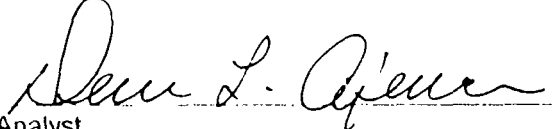
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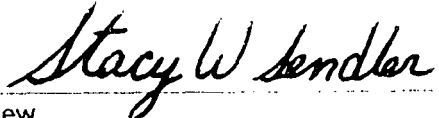
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Largo Station.
Edges of Comp. Building.**


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	El Paso Field Service	Project #:	96003
Sample ID:	960468	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	05-20-96
Chain of Custody:	4609	Date Received:	05-20-96
Sample Matrix:	Soil	Date Analyzed:	05-23-96
Preservative:	Cool	Date Extracted:	05-21-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	3.42	0.01	100
Cadmium	0.018	0.001	1.00
Chromium	ND	0.001	5.00
Lead	ND	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	0.005	0.001	5.0

ND - Parameter not detected at the stated detection limit.

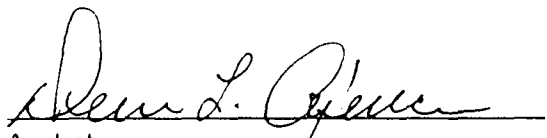
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

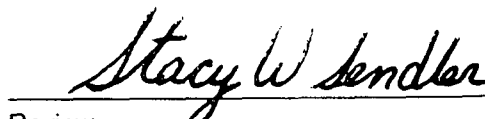
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Largo Station.**
Edges of Comp. Building.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-22-96
Laboratory Number:	05-22-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-22-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

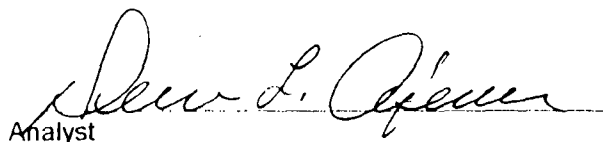
ND - Parameter not detected at the stated detection limit.

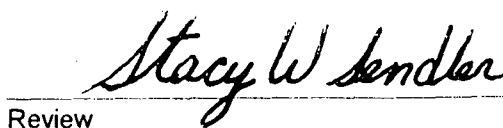
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-22-96
Laboratory Number:	05-20-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-22-96
Condition:	N/A	Date Extracted:	05-20-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

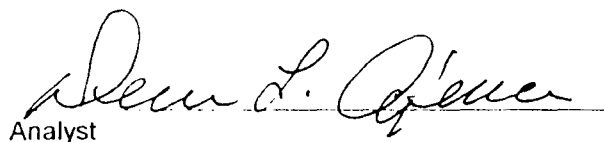
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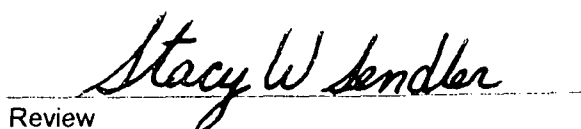
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT**

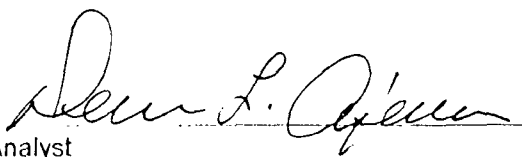
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-22-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-22-96
Condition:	N/A	Date Extracted:	05-20-96

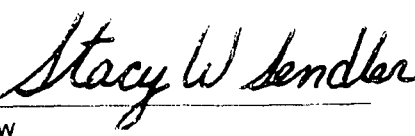
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: A184
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

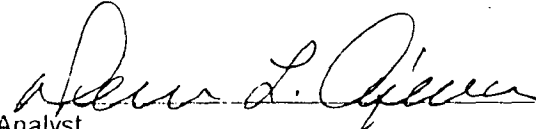
Project #: N/A
Date Reported: 05-22-96
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 05-22-96
Date Extracted: 05-20-96

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0205	0.0002	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0219	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0001	98%	47-132
Chloroform	ND	0.020	0.0197	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0195	0.0001	98%	43-143
Benzene	ND	0.020	0.0200	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.020	0.0196	0.0001	98%	51-147
Trichloroethene	ND	0.020	0.0201	0.0003	100%	35-146
Tetrachloroethene	ND	0.020	0.0199	0.0005	99%	26-162
Chlorobenzene	ND	0.020	0.0198	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0210	0.0002	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-23-96
Laboratory Number:	05-23-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-23-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	97 %

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

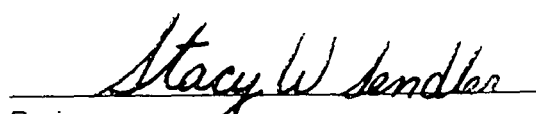
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-23-96
Laboratory Number:	05-20-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	05-20-96
Condition:	Cool & Intact	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	97%
	2,4,6-Tribromophenol	99%

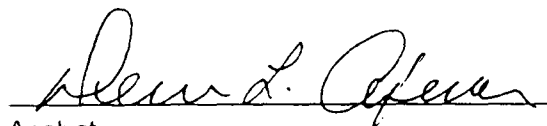
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

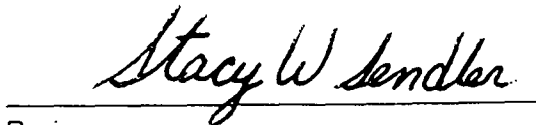
Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.



Analyst



Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	05-21-96
Condition:	Cool & Intact	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

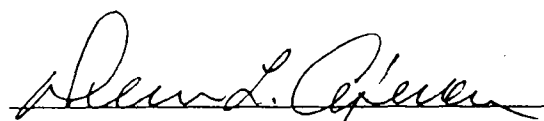
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

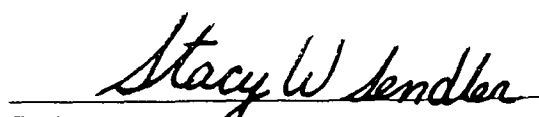
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	05-23-96
Laboratory Number:	05-23-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.025	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

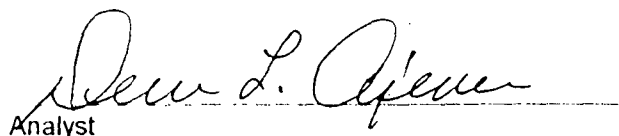
ND - Parameter not detected at the stated detection limit.

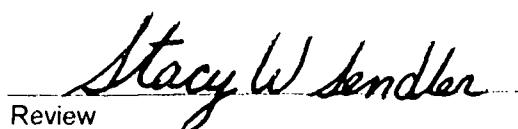
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

FNVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	05-23-96
Laboratory Number:	05-20-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	05-20-96
Condition:	Cool and Intact	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.025	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

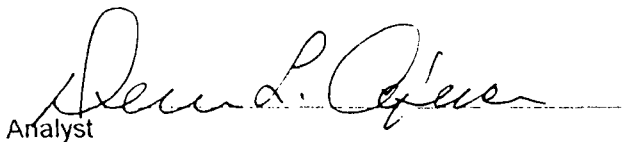
ND - Parameter not detected at the stated detection limit.

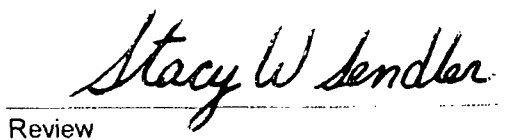
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

425

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	05-20-96
Condition:	N/A	Date Analyzed:	05-23-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.025
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

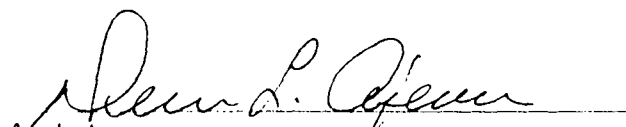
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A183 - A184.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	05-23-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-23-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

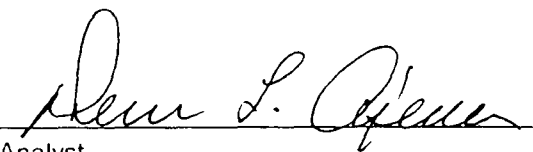
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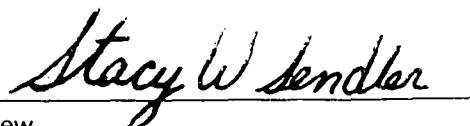
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples A183 - A184.**


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-23-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	3.42	3.39	0.9%
Cadmium	0.018	0.018	0.0%
Chromium	ND	ND	0.0%
Lead	ND	ND	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	0.005	0.005	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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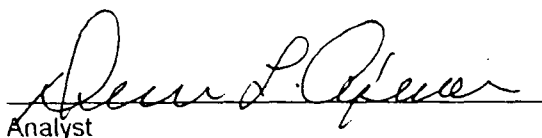
Trace Metals 30 %

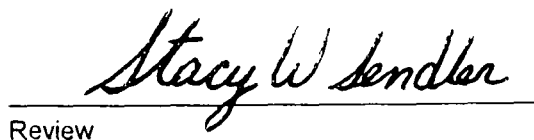
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples A183 - A184.**


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	05-23-96
Laboratory Number:	A184	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	05-23-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.098	98%
Barium	1.00	3.42	4.42	100%
Cadmium	0.050	0.018	0.067	99%
Chromium	0.050	ND	0.048	96%
Lead	0.100	ND	0.099	99%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.098	98%
Silver	0.050	0.005	0.055	100%

ND - Parameter not detected at the stated detection limit.

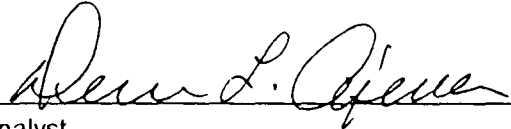
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

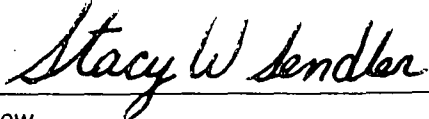
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples A183 - A184.**


Analyst


Review

CHAIN OF CUSTODY RECORD

[illegible]

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/18/96

Submit Origin
Plus 1 Copy
to appropriate
District Office

95031-0001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator <u>Red Cedar Gathering</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Arkansas Loop Compressor Station</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 Hwy. 64-3014 Farmington, NM</u>	8. State <u>NM Colorado</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 2, T 34N, R 9W, Uplata County, CO</u>
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. 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:

Activated charcoal filtration media

RECEIVED
MAY 2 1 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 8 cy Known Volume (to be entered by the operator at the end of the haul) 12 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 5-20-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fent TITLE: Geologist DATE: 05/22/96
APPROVED BY: Chris P. Burch TITLE: u DATE: 7

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Section 2 of 34N, 9W, LA Plata Co. Colo.
Originating Location: Red Cedar Gathering Company
Source: Arkansas Loop Plant, Natural Gas Filtration System
Disposal Location: Envirotech Soil Remediation Facility. (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Red Cedar Gathering
concur with the status of the waste from the subject site.

Name James H. Mayo, C.S.D.
Title Agency Manager, Safety & Environmental
Red Cedar Gathering Co.
Address 26266 Hwy. 160
Durango, Colo. 81301
Signature James H. Mayo
Date 5-20-96

**United States Department of the Interior****BUREAU OF INDIAN AFFAIRS****SOUTHERN UTE AGENCY****P.O. BOX 315****IGNACIO, COLORADO 81137**

IN REPLY REFER TO:

MAY 16 1996

Mr. James H. Mayo
Red Cedar Gathering Company
26266 Highway 160
Durango, Colorado 81301

Re: Arkansas Loop Plant
Section 2 of 34N 9W

Dear Mr. Mayo:

Enclosed please find a copy of the approved "Certificate from Out of State Agency Authorizing Removal of RCRA Exempt Oilfield Waste from their Jurisdiction to New Mexico", for the Arkansas Loop Plant. Your request was approved on May 15, 1996. If additional information is required, contact Ken Young, Petroleum Engineer or Diana F. Olguin, Realty Officer at (970) 563-4514.

Sincerely,

Superintendent

ACTING

Enclosures

CERTIFICATE FROM OUT OF STATE AGENCY
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD WASTE
FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning the oilfield waste material from location Arkansas Locp. Plant-LaPlata ^{Colorado} City and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulation or statute.

x The material is exempt from regulation because it is classified as non-hazardous oilfield waste by definition.

 The material is exempt from regulation by characteristic analyses.

 The material is exempt from regulation by product identification.

THEREFORE:

As a representative for Bureau of Indian Affairs I have no objections to the material being removed to New Mexico.

NAME: Charles Recker TITLE: Acting Superintendant

SIGNATURE: Charles A Recker DATE: 5/15/96
1998

AGENCY: Bureau of Indian Affairs

ADDRESS: PO Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

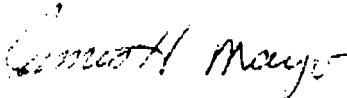
Originating Location: Section 2 of 34N 9W

Source: Arkansas Loop Plant, Natural Gas Filtration System
(Activated Charcoal)

Disposal Location: Envirotech Soil Remediation Facility, Hilltop, San Juan County,
New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as an agent for Red Cedar Gathering Company concur with the status of the waste from the subject site.



May 13, 1996

James H. Mayo
Manager, Safety and Environmental
Red Cedar Gathering Company
26266 Hwy. 160,
Durango, Colorado 81301
(970) 247-5754

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/93

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Denny Faust 4-8-96 8:30</i>	4. Generator E.P.F.S. 5. Originating Site <i>LINDRITH Compressor STATION</i> 6. Transporter E.P.F.S. 8. State <i>New Mexico</i> 7. Location of Material (Street Address or ULSTR) <i>See IB T26N R15W</i>
2. Management Facility Destination <i>Envirotech #2</i>	
3. Address of Facility Operator	
9. <u>Circle One</u> : 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. 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:

Clean up of INLET Scrubber Tank overflow that occurred
4-7-96

LF2
unit 5
B19

RECEIVED
APR 10 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 10 cy

SIGNATURE: Harold M. Brown TITLE: LANDFARM MANAGER DATE: 4-8-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HAROLD M. BROWN TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny Faust TITLE: Geologist DATE: 4/11/96
APPROVED BY: Ernie Brown TITLE: - DATE: -

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: LINDRITH COMPRESSOR STATION
Source: INLET SCRUBBER TANK (OVERFLOWED ON 4/7/96)
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the _____
concur with the status of the waste from the subject site.

Name SANDRA D. MILLER
Title/Agency SUPERINTENDENT
EL PASO FIELD SERVICES
Address PO BOX 4596
FARMINGTON, NM
Signature Sandra D Miller
Date 4/8/96

Roger Anderson

Form C-138

Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

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

DIVISION

10 8 52

91364-13

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Meridian Oil, Inc.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Wingate Plant Boneyard & Flare Pit AREA</u>
2. Management Facility Destination <u>Envirotech #2</u>	6. Transporter <u>Meridian</u>
3. Address of Facility Operator	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 16, T15N, R17W</u>
9. <u>Circle One</u> : 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. 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:

Soils removed from fire Trenching pit area at Wingate Plant.

TCLP ATTACHED.

LF2
D 23RECEIVED
APR 26 1996OIL CON. DIV.
DIST. 3RECEIVED
APR 10 1996OIL CON. DIV.
DIST. 3Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 26 cy

SIGNATURE: Harlan M. Brown TITLE: LANDFARM MANAGER DATE: 4-9-96
 Waste Management Facility Authorized Agent
 TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Faint TITLE: Geologist DATE: 4/11/96
 APPROVED BY: C. E. Eubank TITLE: GEOLOGIST DATE: 4/25/96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
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District III - (505) 334-6178
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District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

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Plus 1 Copy
to appropriate
District Office

91364-13

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Meridian Oil, Inc.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Wingate Plant Boneyard & Flare Pit AREA.</u>
2. Management Facility Destination <u>Envirotech Landfarm #2</u>	6. Transporter <u>Meridian</u>
3. Address of Facility Operator	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 16, T15N, R17W</u>
9. <u>Circle One</u> : 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. 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:

Soils removed from Fire Training pit area at Wingate Plant.
TCLP ATTACHED.

RECEIVED
APR 10 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: LANDFARM MANAGER DATE: 4-9-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fent TITLE: Geologist DATE: 4/11/96
APPROVED BY: _____ TITLE: _____ DATE: _____

MERIDIAN OIL

Memorandum

To: Rob Young

Date: 4/8/96

From: Craig A. Bock

Location: Environmental/Safety

Re: Wingate Plant Nonexempt Soils
Natural Gas Liquids (NGL) Pipeline Nonexempt Soils

Attached are two TCLP analysis performed on oil field contaminated soils removed during a recent remediation project. Contaminated soils were removed and stockpiled in three locations. Wingate Plant soils are located in Section 16, Range 17W and Township 15N approximately 6 miles east of Gallup, NM. The NGL pipeline soils were collected at various points along the pipeline.

Soils from the NGL pipeline were stockpiled in two locations. One was in Section 6, Range 24E, and Township 41S near Montezuma Creek, Utah and the other soils were placed into sealed metal drums and stored in Meridian Oil Inc.'s (Meridian) pipe storage yard in Farmington, NM.

TCLP analysis Sample ID M6-WBY-1A was a composite sample taken from the Wingate Plant soils. The results of the analysis indicate the material is classified as an oil field NONEXEMPT, NONHAZARDOUS waste. TCLP analysis Sample ID MB-COMP-1 was a composite sample taken from the soils collected at various locations along the NGL pipeline. The results of the analysis indicate the material is classified as an oil field NONEXEMPT, NONHAZARDOUS waste.

MOI would like approval for these soils to be transported to and treated at Envirotech's Landfarm located near Bloomfield, NM.

Please contact me at (505) 326-9537 if you have any questions regarding this issue.



Craig A. Bock
Environmental Representative - Meridian Oil Inc.

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Wingate Plant Boneyard & Flare pit Area
Source: Soils taken from Fire Training Pit area at Wingate plant
Disposal Location: Sec 16, R17W, T15N approx. 6 miles east of Wingate, Gallup, NM.
Envirotech Soil Remediation Facility (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name CRAIG A. BOCK
Title/Agency Environmental Representative
Address P.O. Box 4289, Farmington, NM
Signature C. A. Bock
Date 4/9/96

See TCLP Analysis

Sample ID: M6-WBY-1A

Winstate Plant Boneyard

Sample ID: M6-MBY-1A

Lab ID: 2886

Reported 4/4/96.

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0✓	D004	Hexachlorobenzene	0.13✓	D032
* Barium	100.0✓	D005	Hexachlorobutadiene	0.5✓	D033
Benzene	0.5✓	D018	Hexachloroethane	3.0✓	D034
* Cadmium	1.0✓	D006	* Lead	5.0✓	D008
Carbon Tetrachloride	0.5✓	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlor dane	0.03	D020	* Mercury	0.2✓	D009
Chlorobenzene	100.0✓	D021	* Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0✓	D022	Methyl ethyl ketone	200.0✓	D035
* Chromium	5.0✓	D007	Nitrobenzene	2.0✓	D036
Cresol	200.0	D026	Pentachlorophenol	100.0✓	D037
m-Cresol	200.0✓	D024	Pyridine	5.0✓	D038
o-Cresol	200.0✓	D023	* Selenium	1.0✓	D010
p-Cresol	200.0✓	D025	* Silver	5.0✓	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5✓	D027	Tetrachloroethylene	0.7✓	D039
1,2-Dichloroethane	0.5✓	D028	* Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7✓	D029	Trichloroethylene	0.5✓	D040
2,4-Dinitrotoluene	0.13✓	D030	2,4,5-Trichlorophenol	400.0✓	D041
PESTICIDE * Endrin	0.02	D012	2,4,6-Trichlorophenol	2.0✓	D042
PESTICIDE Heptachlor	0.008	D031	Vinyl chloride	0.2✓	D043

*=EP Toxic wastes; TULP must now be utilized for characterizing these wastes

Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and
Environmental

1. Waste Location: Lease/Well No. Wingate Plant Bonanza
2. Volume: _____ Cubic Yards _____ Barrels _____ Gallons
3. Description of Waste: Contaminated soils taken from
the Fire training Pit area.
4. Method of Waste Generation: Fire training.
5. Disposal Facility: Envirotech.
6. Disposal Cost: _____
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

(signature)

Date 4/16/96

MOI
Representative

Transportation Company: _____

Date(s) Transported: _____

MOI Representative on Site

(signature)

Date _____

Disposal Facility

Complete and

return to

Meridian

Safety and

Environmental

with Invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____

(signature)

Revised January 16, 1994

TCLP Metals Analysis

Phillp Environmental

Project ID:	MOI Boneyard	Date Reported:	04/04/96
Sample ID:	M6 - WBY - 1A	Date Sampled:	03/08/96
Laboratory ID:	2888 <i>2a wingate</i>	Date Received:	03/11/96
Sample Matrix:	Soil	Date TCLP:	03/12/96

Parameter	mg/kg	mg/kg
-----------	-------	-------

Trace Metals

Arsenic.....	0.367	5.00
Barium.....	1.45	100
Cadmium.....	0.005	1.00
Chromium.....	0.076	5.00
Lead.....	0.023	5.00
Mercury.....	<0.001	0.20
Selenium.....	0.742	1.00
Silver.....	0.050	5.00

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

Comments:


Review

Volatile Organic Compounds EPA Method 8240

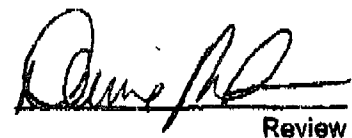
Philip Environmental

Project ID: MOI Boneyard
Sample ID: M6 - WBY - 1A
Lab ID: 2886
Sample Matrix: Soil

Report Date: 04/04/96
Date Sampled: 03/08/96
Date Received: 03/11/96
Date TCLP'd: 03/14/96
Date Analyzed: 3/20-21/96

Test Results		
Benzene		<0.005
Carbon Tetrachloride		<0.005
Chlorobenzene		<0.005
Chloroform		<0.005
1,2 - Dichloroethane	(DCA)	<0.005
1,1 - Dichloroethylene	(DCE)	<0.005
Methyl Ethyl Ketone	(MEK)	<0.050
Tetrachloroethylene	(PCE)	<0.005
Trichloroethylene	(TCE)	<0.005
Vinyl Chloride		<0.010

Reference: Method 1311, Toxicity Characteristic Leaching Procedure; Method 8240, Volatile Organics By GC/MS; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update 1, July, 1992.


Review

Extracted Organic Compounds

EPA Method 8270

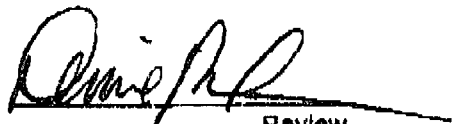
Philip Environmental

Project ID: MOI Boneyard
Sample ID: M6 - WBY - 1A
Lab ID: 2886
Sample Matrix: Soil

Report Date: 04/04/98
Date Sampled: 03/08/98
Date Received: 03/11/98
Date TCLP'd: 03/14/98
Date Analyzed: 3/20-21/98

o - Cresol	<0.010
m,p - Cresol	<0.020
1,4 - Dichlorobenzene	<0.002
2,4 - Dinitrotoluene	<0.004
Hexachlorobenzene	<0.002
Hexachlorobutadiene	<0.003
Hexachloroethane	<0.003
Nitrobenzene	<0.002
Pentachlorophenol	<0.010
Pyridine	<0.010
2,4,5 - Trichlorophenol	<0.010
2,4,6 - Trichlorophenol	<0.003

Reference: Method 1311, Toxicity Characteristic Leaching Procedure; Method 8270, Semivolatile Organics By GC/MS; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.


Review

✓ QAD

Quality Control Report

Philip Environmental

Date Reported: 04/04/96

TABLE 1: ANALYTICAL DATA				
Arsenic	Spex 19	0.017	0.020	0.017 - 0.023
Barium	Spex 19	5.30	5.00	4.50 - 5.50
Cadmium	Spex 19	1.00	1.00	0.90 - 1.10
Chromium	Spex 19	1.05	1.00	0.90 - 1.10
Lead	Spex 19	1.07	1.00	0.90 - 1.10
Mercury	ERA 9964	0.0026	0.0026	0.0021 - 0.0036
Selenium	Spex 19	0.021	0.020	0.017 - 0.023
Silver	Spex 7	1.86	2.00	1.80 - 2.20

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


Review

District I - (505) 393-6161
P. O. Box 1980
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Rio Brazos Road
Santa Fe, NM 87410
District IV - (505) 827-7131

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

Form C-13
Originated 8/8

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HALLIBURTON</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Wash Bay Cleanup</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E. Main, Farmington, N.M.</u>
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. 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:

Continuation of Wash Bay Solids

TCLP ATTACHED

RECEIVED
SEP 25 1996

RECEIVED

SEP 25 1996

RECEIVED
SEP 24 1996

OIL CON. DIV.
DIST. 3

Environmental Bureau
Oil Conservation Division

OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 16 cy

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: 9-24-96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: fer

TITLE: Geologist

DATE: 9/25/96

APPROVED BY:

DATE: 9/25/96

District I - (505) 393-6161
P.O. Box 1980
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New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HALLIBURTON</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Wash Bay Cleanup</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E. Main, Farmington, N.M.</u>
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BRIEF DESCRIPTION OF MATERIAL:

Continuation of Wash Bay Solids

TCLP ATTACHED.

RECEIVED
SEP 24 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-24-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Halliburton Energy Services 4109 E Main, Farmington

Source: WASH BAY SOLIDS-

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for HALLIBURTON ENERGY SERVICES concur with the status of the waste from the subject site.

Name RJ GREENAKER
Title/Agency ENV. SERV. OP.

Address 4109 E. MAIN ST.
FARMINGTON, NM

Signature RJ Greenaker

Date Sept 23, 1996

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Signed

Date of TCLP

Name

Title/Agency

Address

Signature

Date

RJ Greenaker
OCT 4, 1995
RJ GREENAKER
EQUIP. SERV. CO.
4109 E. MAIN ST.
FARMINGTON, NM
RJ Greenaker
September 23, 1996

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Lab ID#:	9148	Date Sampled:	10-04-95
Sample Matrix:	Soil	Date Received:	10-04-95
Preservative:	Cool	Date Analyzed:	10-04-95
Condition:	Cool & Intact	Chain of Custody:	4508

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 5.46

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

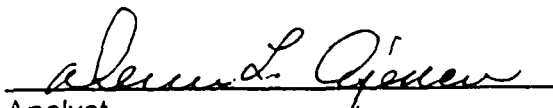
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

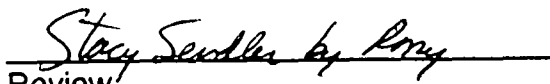
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

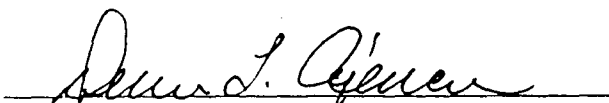
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

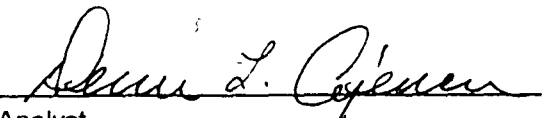
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

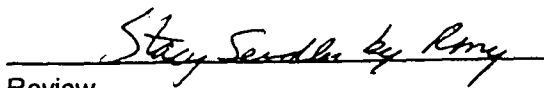
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

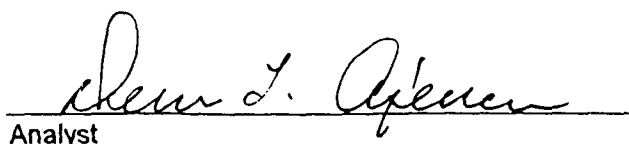
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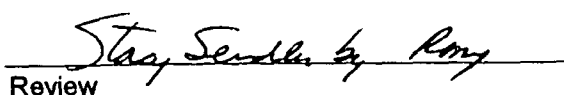
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENV ROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Analyzed:	10-11-95
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.40	0.01	100
Cadmium	0.011	0.001	1.00
Chromium	0.017	0.001	5.00
Lead	0.343	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

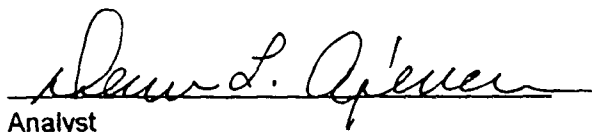
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

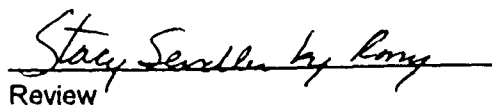
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-06-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

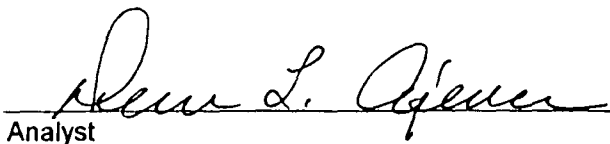
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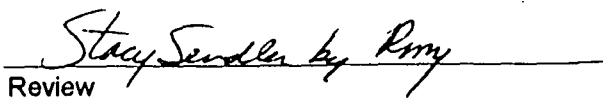
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIRO TECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

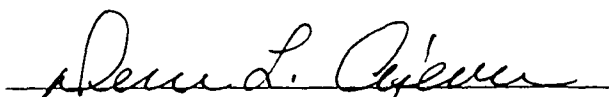
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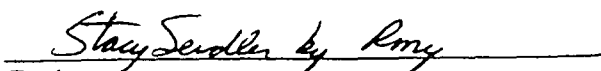
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

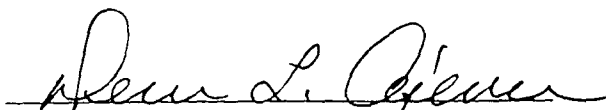
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

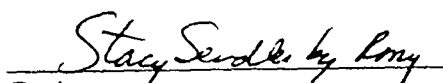
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

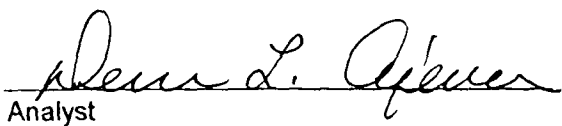
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

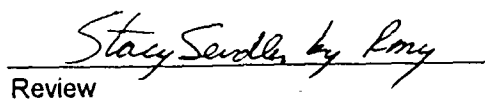
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0194	0.0002	94%	28-163
1,1-Dichloroethene	ND	0.020	0.0204	0.0002	100%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0001	98%	47-132
Chloroform	ND	0.020	0.0202	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0199	0.0001	98%	43-143
Benzene	ND	0.020	0.0196	0.0001	98%	39-150
1,2-Dichloroethane	ND	0.020	0.0200	0.0001	100%	51-147
Trichloroethene	ND	0.020	0.0202	0.0003	100%	35-146
Tetrachloroethene	ND	0.020	0.0198	0.0002	99%	26-162
Chlorobenzene	ND	0.020	0.0199	0.0001	98%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0199	0.0001	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-09-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-09-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	99 %

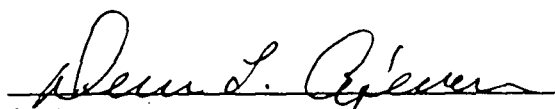
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

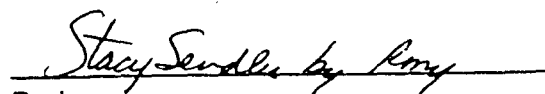
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

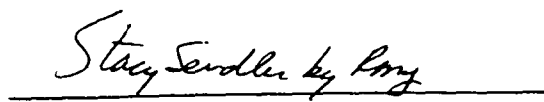
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.021	0.0%
2,4,5-Trichlorophenol	ND	ND	0.021	0.0%
Pentachlorophenol	ND	ND	0.160	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

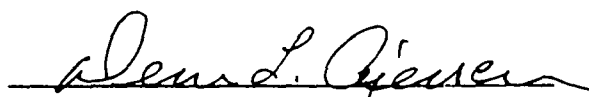
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

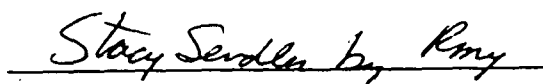
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 10-06-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-10-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 10-06-95
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool and Intact	Date Analyzed:	10-06-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

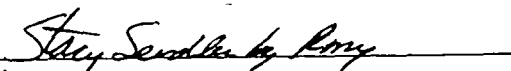
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 9148
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-10-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: 10-04-95
Date Analyzed: 10-06-95
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.024
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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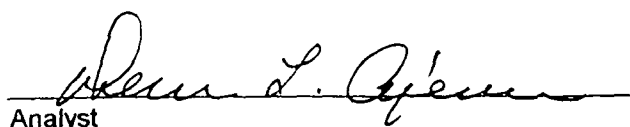
8090 Compounds

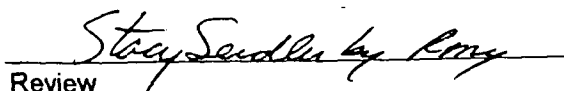
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	10-11-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

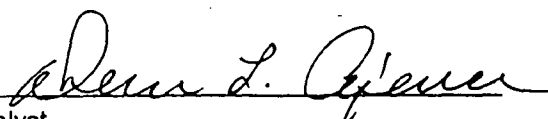
ND - Parameter not detected at the stated detection limit.

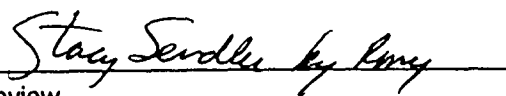
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.40	1.42	1.4%
Cadmium	0.011	0.011	0.0%
Chromium	0.017	0.016	6.1%
Lead	0.343	0.341	0.6%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

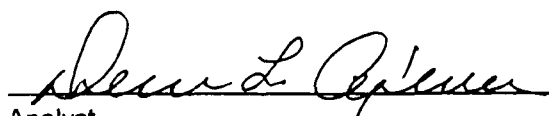
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

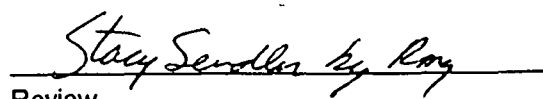
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.099	99%
Barium	1.00	1.40	2.39	100%
Cadmium	0.100	0.011	0.111	100%
Chromium	0.100	0.017	0.117	100%
Lead	0.100	0.343	0.444	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.100	100%
Silver	1.0	ND	0.99	99%

ND - Parameter not detected at the stated detection limit.

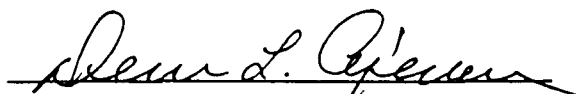
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

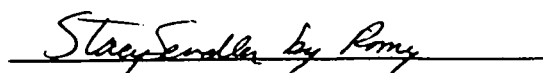
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Halliburton</i>			Project Location <i>4109 E Main Pmt. N.M.</i>		ANALYSIS/PARAMETERS							
Sampler (Signature) <i>[Signature]</i>			Chain of Custody Tape No. <i>92132</i>		No. of Containers <i>1</i>	<i>TCL Pulp 10/4/95</i>	<i>PCAA</i>					Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>Asph by Solids</i>	<i>10/4/95</i>	<i>11:15</i>	<i>9148</i>	<i>Soil</i>								
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

Index I - (505) 393-6161
O. 5-1980
Index II - (505) 748-1283
11 S. First
Alameda, NM 88210
Index III - (505) 334-6178
Rio Brazos Road
Alameda, NM 87410
Index IV - (505) 827-7131

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

Form C-1
Originated at

Submit Only
Plus 1.
to appropriate
District Office

Env JN: 96003-13

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator E.P.F.
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Chaco Plant North & South Conchos
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter SCAT
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	
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. 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:

Sludge removed from North & South Conchos ponds at Chaco Plant.

LF 2
Unit 5
H 15

RECEIVED
SEP 24 1996
Environmental Bureau
Oil Conservation Division

RECEIVED
SEP 20 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) 100 cy 120 bbls

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-20-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Dennis G. Zent TITLE: Geologist DATE: 9/20/96
APPROVED BY: Roger R. Ruder TITLE: Bureau Chief DATE: 9/24/96

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
311 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96003-13

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator E.P.F.s
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Chaco Plant North & South Contact Ponds
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter SCAT
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	
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. 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:

Sludge removed from North & South Contact ponds at Chaco Plant.

RECEIVED
SEP 20 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-20-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fawcett TITLE: Geologist DATE: 9/20/96
APPROVED BY: TITLE: DATE:

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
* Barium	100.0	D005	* Hexachlorobutadiene	0.5	D033
Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
* Cadmium	1.0	D006	* Lead	5.0	D008
Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlordane	0.03	D020	✓ Mercury	0.2	D009
Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
* Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
m-Cresol	200.0	D024	* Pyridine	5.0	D038
o-Cresol	200.0	D023	* Selenium	1.0	D010
p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE* 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5	D027	* Tetrachloroethylene	0.7	D039
1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7	D029	* Trichloroethylene	0.5	D040
2,4-Dinitrotoluene	0.13	D030	2,4,5-Trichlorophenol	400.0	D041
PESTICIDE* Endrin	0.02	D012	* 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	* Vinyl chloride	0.2	D043

* - EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

E V R U E U H I I U.**PRACTICAL SOLUTIONS FOR A BETTER TOMORROW**

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: CHACO PLANT NORTH + SOUTH CONTACT POND
Source: SLUDGE REMOVED FROM CLEANING OF THE PONDS AT CHACO PLANT
Disposal Location: ENVIROTECH SOIL REMEDIATION FACILITY. (NMED)
HILLTOP, NEW MEXICO

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for _____
concur with the status of the waste from the subject site.

Name Sandra D. Miller
Title/Agency SUPERINTENDENT
EL PASO FIELD SERVICES
Address P.O. Box 4990
FARMINGTON, NM 87401
Signature Sandra D. Miller
Date 9/20/96

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 18, 1996

Mr. John Lambdin
El Paso Field Services, Inc.
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 96003-13

Dear John,

Enclosed are the analytical results for the sample collected from the EPFS location designated as "Chaco Plant". One sludge sample was collected by EPFS designated personnel on September 6, 1996, and received by the Envirotech laboratory on September 6, 1996 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Trace Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 4078 and assigned Laboratory No. A540 (EPFS No. 960740) for tracking purposes. The sample was extracted on 09/09/96 and analyzed on 09/09/96 - 09/12/96 using USEPA or equivalent methods.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It is always a pleasure doing business with you.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler

Environmental Scientist/Laboratory Manager

enc.

SWS\sws

96003-13.lb1

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	El Paso Field Services	Project #:	96003-13
Sample ID:	960740	Date Reported:	09-16-96
Lab ID#:	A540	Date Sampled:	09-06-96
Sample Matrix:	Sludge	Date Received:	09-06-96
Preservative:	Cool	Date Analyzed:	09-09-96
Condition:	Cool & Intact	Chain of Custody:	4078

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 7.20

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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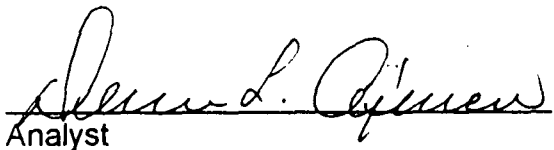
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Chaco Plant, North Contact Pond.


Analyst


Review

Client:	El Paso Field Services	Project #:	96300-13
Sample ID:	960740	Date Reported:	09-16-96
Laboratory Number:	A540	Date Sampled:	09-06-96
Chain of Custody:	4078	Date Received:	09-06-96
Sample Matrix:	Soil	Date Extracted:	09-09-96
Preservative:	Cool	Date Analyzed:	09-10-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0012	0.2
1,1-Dichloroethene	ND	0.0030	0.7
2-Butanone (MEK)	0.0144	0.0001	200
Chloroform	ND	0.0008	6.0
Carbon Tetrachloride	ND	0.0009	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

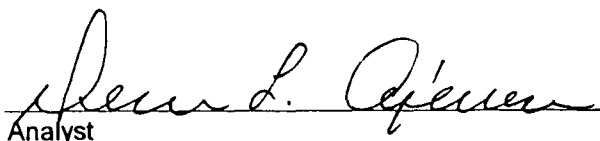
ND - Parameter not detected at the stated detection limit.

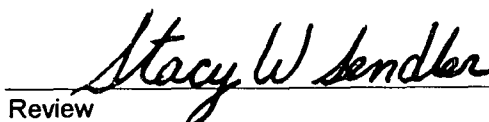
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	96%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Chaco Plant, North Contact Pond.**


Analyst


Review

Client:	El Paso Field Services	Project #:	96003-13
Sample ID:	960740	Date Reported:	09-16-96
Laboratory Number:	A540	Date Sampled:	09-06-96
Chain of Custody:	4078	Date Received:	09-06-96
Sample Matrix:	Soil	Date Extracted:	09-09-96
Preservative:	Cool	Date Analyzed:	09-12-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

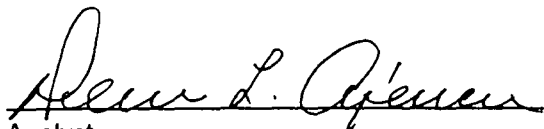
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

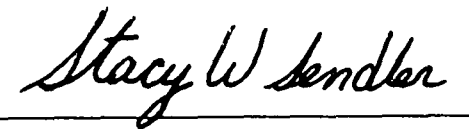
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Chaco Plant, North Contact Pond.


Analyst


Review

Client:	El Paso Field Services	Project #:	96003-13
Sample ID:	960740	Date Reported:	09-16-96
Laboratory Number:	A540	Date Sampled:	09-16-96
Chain of Custody:	4078	Date Received:	09-06-96
Sample Matrix:	Soil	Date Extracted:	09-09-96
Preservative:	Cool	Date Analyzed:	09-12-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.021	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.021	0.13

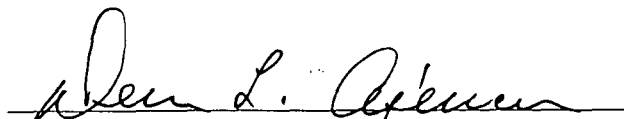
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Chaco Plant, North Contact Pond.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	El Paso Field Services	Project #:	96003-13
Sample ID:	960740	Date Reported:	09-13-96
Laboratory Number:	A540	Date Sampled:	09-06-96
Chain of Custody:	4078	Date Received:	09-06-96
Sample Matrix:	Sludge	Date Analyzed:	09-12-96
Preservative:	Cool	Date Extracted:	09-09-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.74	0.01	100
Cadmium	0.004	0.001	1.00
Chromium	0.003	0.001	5.00
Lead	0.009	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

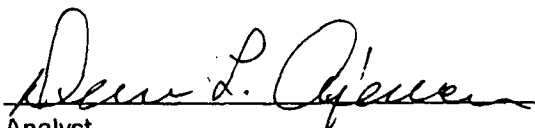
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Chaco Plant, North Contact Pond.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-16-96
Laboratory Number:	09-10-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-10-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0012	0.2
1,1-Dichloroethene	ND	0.0030	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0008	6.0
Carbon Tetrachloride	ND	0.0009	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

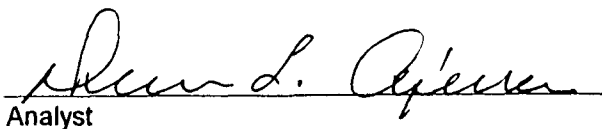
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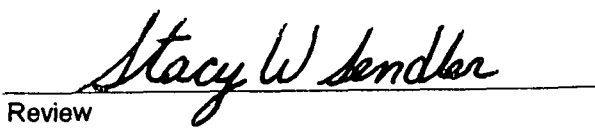
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-16-96
Laboratory Number:	09-09-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-10-96
Condition:	N/A	Date Extracted:	09-09-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0012	0.2
1,1-Dichloroethene	ND	0.0030	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0008	6.0
Carbon Tetrachloride	ND	0.0009	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

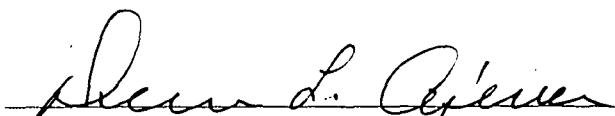
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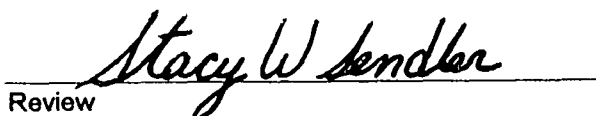
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

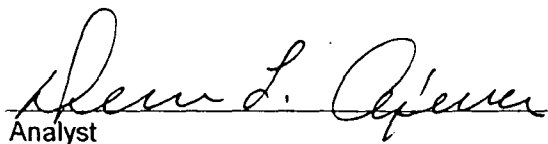
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-16-96
Laboratory Number:	A540	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-10-96
Condition:	N/A	Date Extracted:	09-09-96

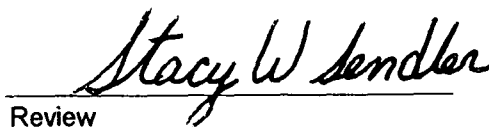
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0012	0.0%
1,1-Dichloroethene	ND	ND	0.0030	0.0%
2-Butanone (MEK)	0.0144	0.0151	0.0001	4.3%
Chloroform	ND	ND	0.0008	0.0%
Carbon Tetrachloride	ND	ND	0.0009	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A540.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	09-16-96
Laboratory Number:	A540	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-10-96
Condition:	N/A	Date Extracted:	09-09-96

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0207	0.0012	97%	28-163
1,1-Dichloroethene	ND	0.020	0.0218	0.0030	96%	43-143
2-Butanone (MEK)	0.0144	0.020	0.0340	0.0001	99%	47-132
Chloroform	ND	0.020	0.0221	0.0008	98%	49-133
Carbon Tetrachloride	ND	0.020	0.0203	0.0009	97%	43-143
Benzene	ND	0.020	0.0203	0.0001	97%	39-150
1,2-Dichloroethane	ND	0.020	0.0233	0.0001	98%	51-147
Trichloroethene	ND	0.020	0.0219	0.0003	99%	35-146
Tetrachloroethene	ND	0.020	0.0201	0.0005	97%	26-162
Chlorobenzene	ND	0.020	0.0194	0.0003	96%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0198	0.0002	98%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A540.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-16-96
Laboratory Number:	09-12-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-12-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	98 %

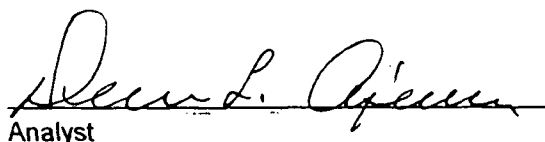
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

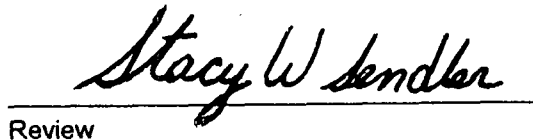
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-16-96
Laboratory Number:	09-09-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-09-96
Condition:	Cool & Intact	Date Analyzed:	09-12-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	97%
	2,4,6-Tribromophenol	99%

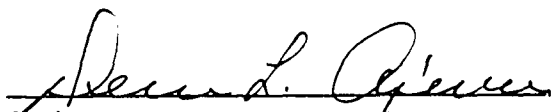
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

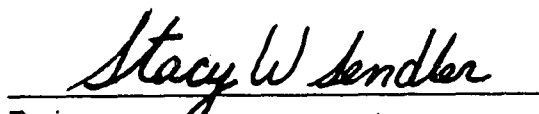
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-16-96
Laboratory Number:	A540	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-09-96
Condition:	Cool & Intact	Date Analyzed:	09-12-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-16-96
Laboratory Number:	09-12-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	09-12-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.021	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.021	0.13

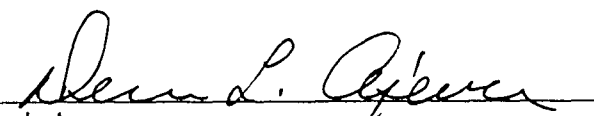
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 09-09-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 09-16-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 09-09-96
Date Analyzed: 09-12-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.021	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.021	0.13

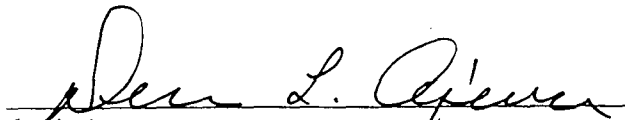
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-16-96
Laboratory Number:	A540	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	09-09-96
Condition:	N/A	Date Analyzed:	09-12-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.021
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.021

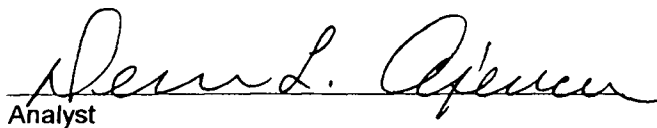
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A540.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	09-13-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-12-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

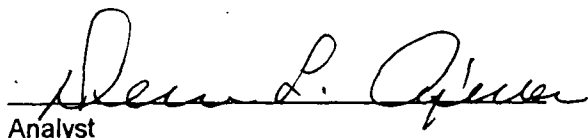
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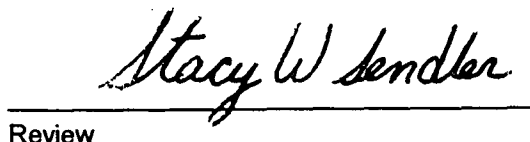
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A540 and A541.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-13-96
Laboratory Number:	A540	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-12-96
Condition:	N/A	Date Extracted:	09-09-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.74	1.70	2.3%
Cadmium	0.004	0.004	0.0%
Chromium	0.003	0.003	0.0%
Lead	0.009	0.008	11.8%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
----------------------------	-----------	--------------------

Trace Metals

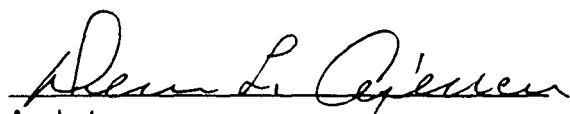
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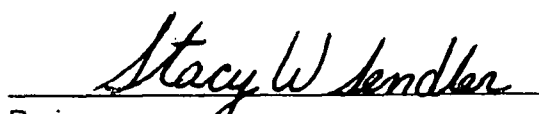
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples A540 and A541.**


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	09-13-96
Laboratory Number:	A540	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-12-96
Condition:	N/A	Date Extracted:	09-09-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.100	100%
Barium	1.00	1.74	2.73	100%
Cadmium	0.050	0.004	0.053	98%
Chromium	0.050	0.003	0.053	100%
Lead	0.100	0.009	0.109	100%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.099	99%
Silver	0.050	ND	0.050	100%

ND - Parameter not detected at the stated detection limit.

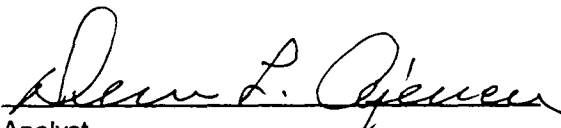
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

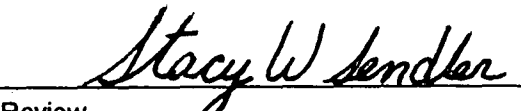
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A540 and A541.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name JOHN CAMBOIN			Project Location CHACO PLANT		ANALYSIS/PARAMETERS							
Sampler: (Signature) Dennis Bird			Chain of Custody Tape No. 96003-13		No. of Containers	TCLP METALS	TCLP ORGANICS	REACTIVITY	IGNITIBILITY	CORROSIVITY	Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
960740	9-6-96	1123	A540	SLUDGE	1	X	X	X	X	X	NORTH CONTACT POND	
Relinquished by: (Signature) Dennis Bird			Date 9-6-96	Time 1246	Received by: (Signature) Ch Chuborlay			Date 9/6/96	Time 1343			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

san juan repro Form 578-81

Index I - (505) 393-4161
Index II - (505) 393-4161
Index III - (505) 334-6178
Index IV - (505) 827-7131

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

Form C
Original 1

Submit On
Plus 1
to appro
District 1

Env JN: 91406-05

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Cudd Pressure Control</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Yard Cleanup</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64</u> <u>Farminston, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>3111 Bloomfield Hwy</u> <u>Farminston, New Mexico</u>

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.
- 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:

Clean up off various spills & leaks (petroleum hydrocarbon) in preparation for closing facility.

TCLP Attached

LF 2
G 15

RECEIVED

SEP 18 1996

Environmental Bureau
Oil Conservation Division

RECEIVED

SEP - 6 1996

OIL CON. DIV.
DIST. 3

Verbal by Rosen-Anderson 9/16/96 - lost in mail

Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) 101 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-6-96
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

Note mEK

This space for State Use

APPROVED BY: Dempsey TITLE: Geologist DATE: 9-6-96

APPROVED BY: Rosen-Anderson TITLE: Bureau Chief DATE: 9/11/96

District I - (505) 393-6161
P.O. Box 2980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Farmington, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 91406-05

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Cudd Pressure Control</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Yard Cleanup Main Yard, Farmington</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>EnviroTECH</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>3111 Bloomfield Hwy FARMINGTON, New Mexico</u>
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. 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:

Clean up off various spills & leaks (~~petroleum hydrocarbon~~) in preparation for closing facility.
TCLP Attached

RECEIVED
SEP - 6 1996

OIL CON. DIV.
DIST. 3

Verbal by Roger Anderson 9/16/96 - lost in mail

Estimated Volume ±20 cy cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-6-96
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

Note mEK

(This space for State Use)

APPROVED BY: Dennis G. Zent TITLE: Geologist DATE: 9-6-96

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Cudd Pressure Corp., Bill Bloom Field, Farmington, N.M.

Source: Yard Cleanup - Various spills & leaks

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for _____
concur with the status of the waste from the subject site.

Cudd Pressure Control
Name Earl H. Ogden
Title/Agency Environmental Manager
Address P.O. Box 1801
Elk City, NM 87648
Signature Earl H. Ogden
Date 9-6-96

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Cudd Pressure	Project #:	91406-05
Sample ID:	Stockpile	Date Reported:	08-29-96
Lab ID#:	A509	Date Sampled:	08-28-96
Sample Matrix:	Soil	Date Received:	08-28-96
Preservative:	Cool	Date Analyzed:	08-29-96
Condition:	Cool & Intact	Chain of Custody:	4862

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 6.12

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

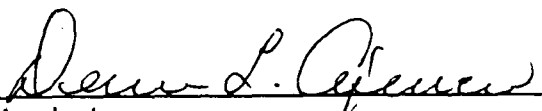
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

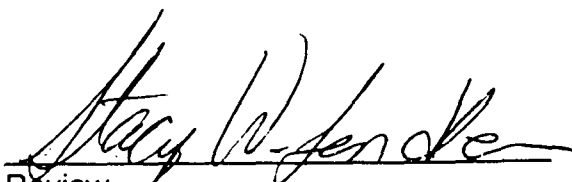
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments:


Analyst


Review

Client:	Cudd Pressure	Project #:	91406-05
Sample ID:	Stockpile	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	08-28-96
Chain of Custody:	4862	Date Received:	08-28-96
Sample Matrix:	Soil	Date Extracted:	08-29-96
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0007	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0079	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

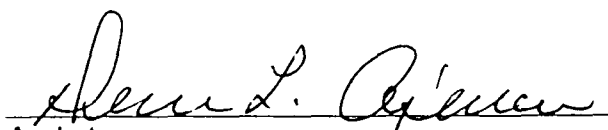
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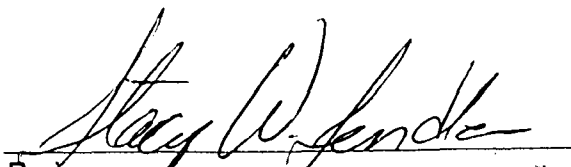
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:


Analyst


Review

Client:	Cudd Pressure	Project #:	91406-05
Sample ID:	Stockpile	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	08-28-96
Chain of Custody:	4862	Date Received:	08-28-96
Sample Matrix:	Soil	Date Extracted:	08-29-96
Preservative:	Cool	Date Analyzed:	09-05-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.025	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	102%
	2,4,6-Tribromophenol	97%

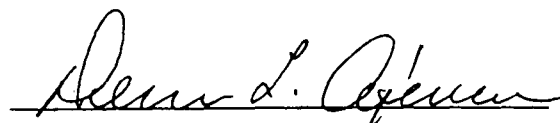
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

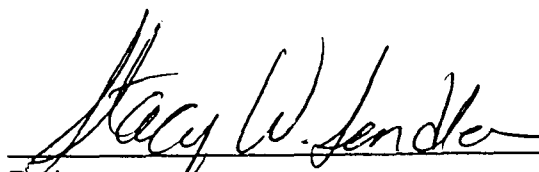
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:


Analyst


Review

Client:	Cudd Pressure	Project #:	91406-05
Sample ID:	Stockpile	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	08-28-96
Chain of Custody:	4862	Date Received:	08-28-96
Sample Matrix:	Soil	Date Extracted:	08-29-96
Preservative:	Cool	Date Analyzed:	09-04-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

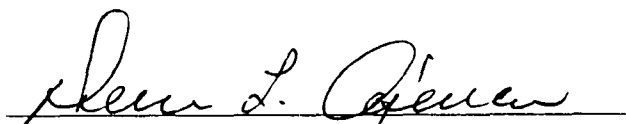
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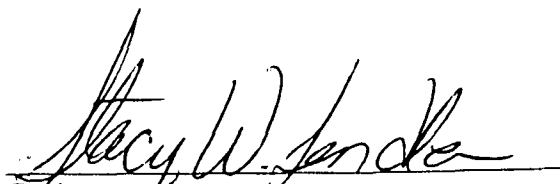
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments:


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Cudd Pressure	Project #:	91406-05
Sample ID:	Stockpile	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	08-28-96
Chain of Custody:	4862	Date Received:	08-28-96
Sample Matrix:	Soil	Date Analyzed:	09-05-96
Preservative:	Cool	Date Extracted:	08-29-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.007	0.001	5.00
Barium	0.80	0.01	100
Cadmium	0.076	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.040	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

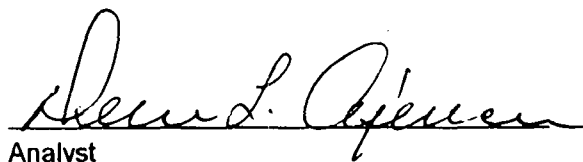
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

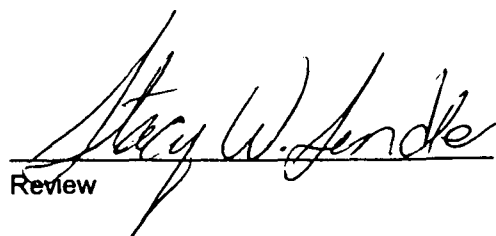
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-05-96
Laboratory Number:	09-03-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-03-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0007	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

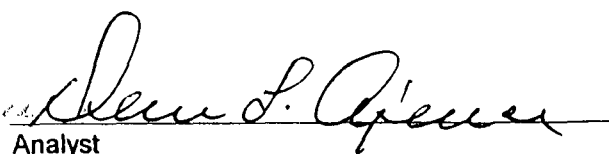
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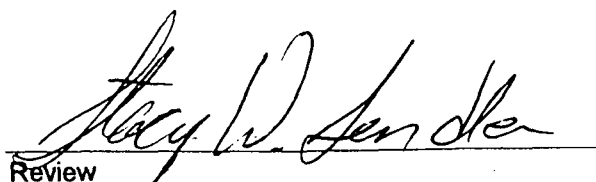
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	104%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-05-96
Laboratory Number:	08-29-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-03-96
Condition:	N/A	Date Extracted:	08-29-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0007	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

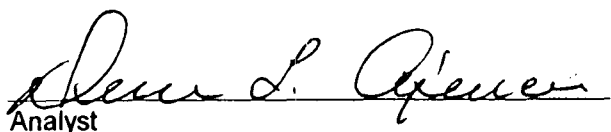
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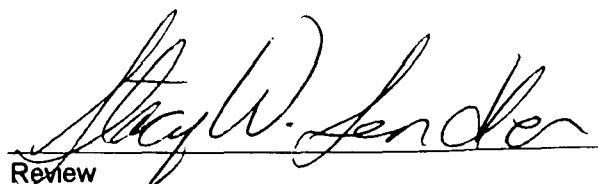
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

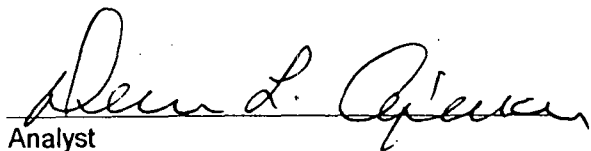
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-03-96
Condition:	N/A	Date Extracted:	08-29-96

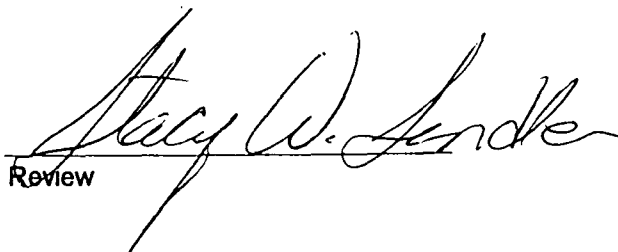
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0007	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0079	0.0074	0.0001	6.8%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

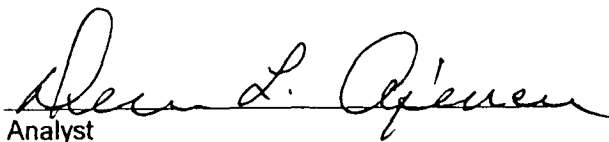
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-03-96
Condition:	N/A	Date Extracted:	08-29-96

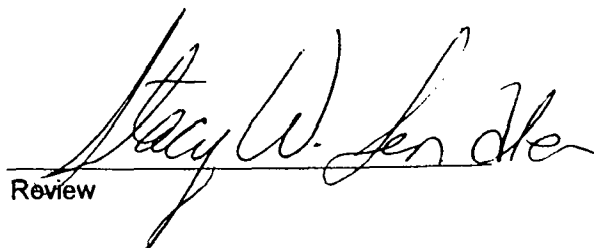
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0191	0.0007	92%	28-163
1,1-Dichloroethene	ND	0.020	0.0230	0.0001	95%	43-143
2-Butanone (MEK)	0.0079	0.020	0.0268	0.0001	96%	47-132
Chloroform	ND	0.020	0.0200	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0201	0.0001	97%	43-143
Benzene	ND	0.020	0.0191	0.0001	96%	39-150
1,2-Dichloroethane	ND	0.020	0.0197	0.0001	98%	51-147
Trichloroethene	ND	0.020	0.0198	0.0003	99%	35-146
Tetrachloroethene	ND	0.020	0.0199	0.0005	96%	26-162
Chlorobenzene	ND	0.020	0.0226	0.0003	97%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0219	0.0002	96%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-05-96
Laboratory Number:	09-05-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-05-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.025	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	101 %

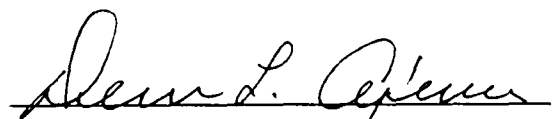
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

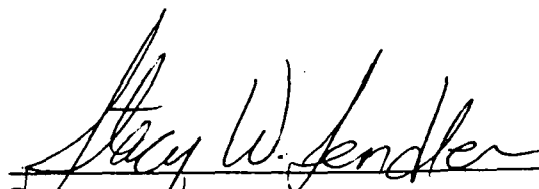
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-05-96
Laboratory Number:	08-29-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-29-96
Condition:	Cool & Intact	Date Analyzed:	09-05-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.025	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	98%

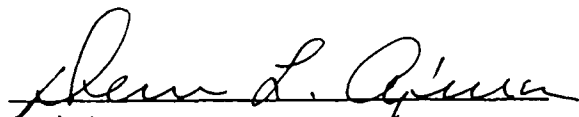
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

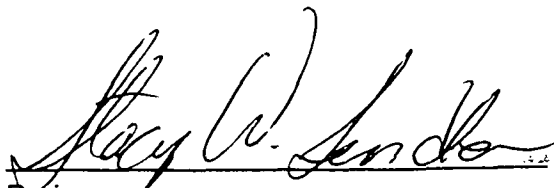
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-29-96
Condition:	Cool & Intact	Date Analyzed:	09-05-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.025	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

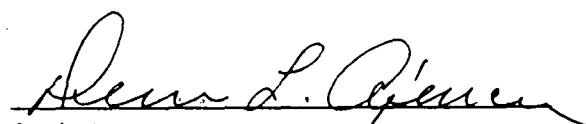
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

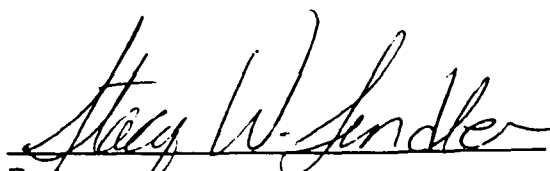
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report**

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 09-04-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 09-05-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 09-04-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

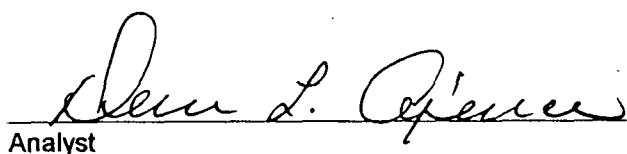
ND - Parameter not detected at the stated detection limit.

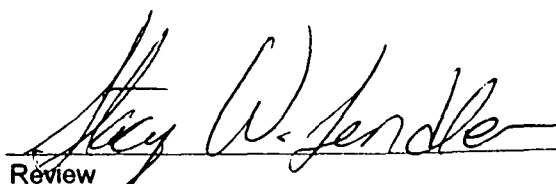
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-05-96
Laboratory Number:	08-29-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-29-96
Condition:	Cool and Intact	Date Analyzed:	09-04-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

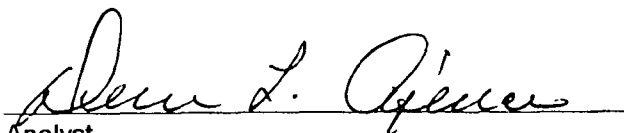
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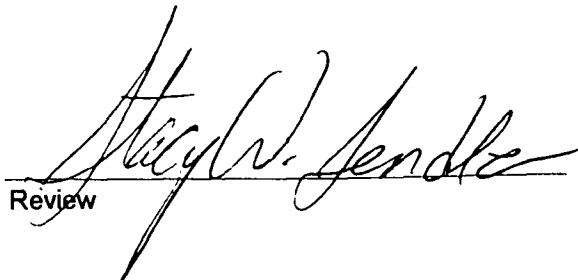
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report**

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: A509
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 09-05-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-29-96
Date Analyzed: 09-04-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
---------------------------	-----------	--------------------

8090 Compounds

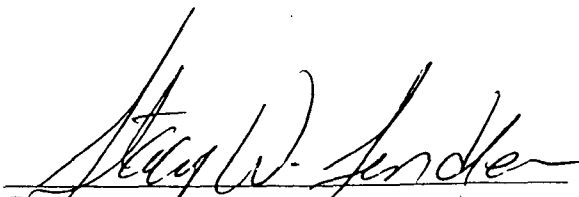
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	09-05-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-05-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

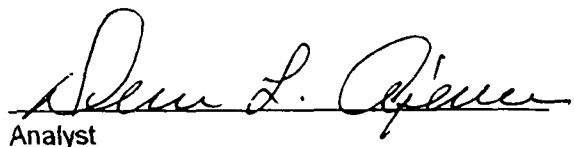
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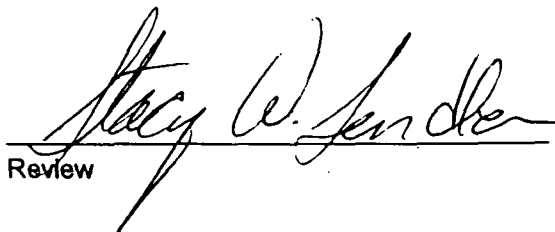
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-05-96
Condition:	N/A	Date Extracted:	08-29-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.007	0.007	0.0%
Barium	0.80	0.81	1.2%
Cadmium	0.076	0.076	0.0%
Chromium	ND	ND	0.0%
Lead	0.040	0.039	2.5%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

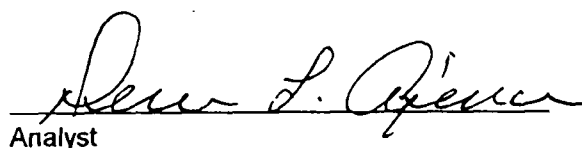
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-05-96
Condition:	N/A	Date Extracted:	08-29-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.007	0.107	100%
Barium	1.00	0.80	1.81	101%
Cadmium	0.050	0.076	0.126	100%
Chromium	0.050	ND	0.050	100%
Lead	0.100	0.040	0.139	99%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.101	101%
Silver	0.050	ND	0.051	102%

ND - Parameter not detected at the stated detection limit.

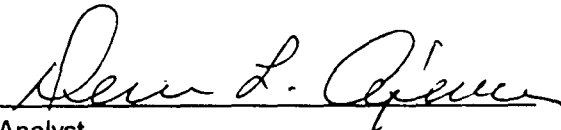
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

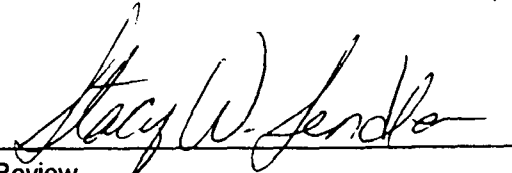
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Cudd Pressure / 91406-05</i>			Project Location		ANALYSIS/PARAMETERS								
Sampler: (Signature) <i>P. Jack Collins</i>			Chain of Custody Tape No.		No. of Containers <i>3</i>	<i>TCLP</i>	<i>FRP</i>	<i>8015</i>					Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>Rock pile</i>	<i>8/28/96</i>	<i>09:45</i>	<i>A509</i>	<i>Soil</i>									
Relinquished by: (Signature) <i>P. Jack Collins</i>			Date <i>8/28/96</i>	Time <i>16:00</i>	Received by: (Signature) <i>Ken S. O'Brien</i>							Date <i>8/28/96</i>	Time <i>16:00</i>
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615													

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95
Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator <u>Meridian Oil</u> 5. Originating Site <u>SJ. 29-7 30E</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>SJ. 29-7 30E</u>
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. 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:

Glycol Sludge from overhaul of 2 phase Horizontal Separator. Sludge is from water bath.
(Spoke w/ Roger Anderson in reference to this unit on 9-18-96)

RECEIVED
SEP 19 1996
OIL CON. DIV.
DIST. 2

Estimated Volume 3661 cy Known Volume (to be entered by the operator at the end of the haul) 3661 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-19-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: <u>Denny G. Fendt</u>	TITLE: <u>Geologist</u>	DATE: <u>9/20/96</u>
APPROVED BY: <u>Ernie Bussell</u>	TITLE: <u>Geologist</u>	DATE: <u>9/23/96</u>

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401,
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: SAN JUAN 29-7 #30 B
Source: Production Equipment
Disposal Location: Envirotech Soil Remediation Facility. (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Burlington Res.
concur with the status of the waste from the subject site.

Name Mike Brown
Title/Agency MATERIAL Rep.
Address _____
Signature Mike Brown
Date 9-19-96

241-1980
District II - (505) 748-1283
811 S. First
Alamogordo, 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

mm
Originated

Submit
Plus
to ap
Distri

95021-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒		4. Generator TRETOLITE	
Verbal Approval Received: Yes ☐ No ☒		5. Originating Site Vehicle Acc. H40430 H40	
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM		6. Transporter Lansing Constr	
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM		8. State UTAH	
7. Location of Material (Street Address or ULSTR)		UTAH AT 262 @ HWY Rte 85 Lansing Const. Yard MONTEZUMA	
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. 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.

RECEIVED

SEP 16 1996

BRIEF DESCRIPTION OF MATERIAL:

28 cy of soil contamination w/ PARLO

TCLP ATTACHED

MSDS ATTACHED

X HED H&R U.S. Telephone Correspondence Attached

NIEPA Correspondence Attached

RECEIVED
SEP 6 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 28 cy Known Volume (to be entered by the operator at the end of the haul) 24 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 9-6-96
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

ENVIROTECH, INC 5796 US HWY 64 FARMINGTON NM 87401

(This space for State Use)

APPROVED BY: Henry G. Junt TITLE: Geologist DATE: 9/9/96

APPROVED BY: Fogel TITLE: Bureau Chief DATE: 9/16/96

P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
111 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form C-13
Originated 4/18/96

Submit Original
Plus 1 Copy
to appropriate
District Office

95021-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator TRETOLITE
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Vehicle Accident Navajo Nation
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM	6. Transporter Lansing Construction
3. Address of Facility Operator 5796 Hwy. 64-3014 Farmington, NM	8. State UTAH
7. Location of Material (Street Address or ULSTR)	UTAH AT 262 @ NW Rte 35 Lansing Const. Yard Montezuma Creek
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. 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:

28 cy of soil contaminated w/ PARLID.

TCLP ATTACHED

MSDS ATTACHED

NMED HERBIS Telephone Correspondence

NDEPA Correspondence

RECEIVED
SEP - 6 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 28 cy cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Supervisor DATE: 9-6-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

ENVIROTECH, INC 5796 US HWY 64 FARMINGTON NM 87401

(This space for State Use)

APPROVED BY: Denny De Faut TITLE: Geologist DATE: 9/9/96

APPROVED BY: _____ TITLE: _____ DATE: _____

09/06/96

15:35

SHE

5056321865

YOUNG ENVIRONMENTAL

NO. 582

002

725 P02

SEP 06 '96

06:49

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: New Mex Rte 35 & Utah Highway 262 (Intersection)

Source: Vehicle Accident; 1 ton Tractor Trailer Truck and related spill

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Petrolite Corporation concur with the status of the waste from the subject site.

Name George A. Cary
Title/Agency MANAGER - SHER

Address 369 Marshall Ave
St Louis MO 63119

Signature [Signature]

Date 9-6-96

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Nav. Nar Rte 35 & Utah Highway 262 (intersection)

Source: Vehicle Accident; 1 ton Tractor-Lite Truck and related spill

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

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I, the undersigned, as the agent for _____
concur with the status of the waste from the subject site.

Name _____

Title/Agency _____

Address _____

Signature _____

Date _____

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

MS. ARLENE LUTHER
NAVAJO NATION ENVIRONMENTAL
PROTECTION AGENCY
P.O. BOX 339
WINDOW ROCK, AZ 86515

4a. Article Number

P 468 880 613

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

2-4-96

5. Received By: (Print Name)

Nicholschilly

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

MATERIAL SAFETY DATA SHEET

PAGE 1

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A

REVISION DATE: 12/17/91
EMERGENCY PHONE: 1-314-961-3800
CHEMTREC EMER NO: 1-800-424-9300

SECTION 1 PRODUCT IDENTIFICATION**PRODUCT:** PA00480L**TRADE NAME:** PARID**LABEL:** 12

(IF HAZARDOUS PER D.O.T. CFR TITLE 49)

SHIPPING NAME: Combustible Liquid, N.O.S. (In Bulk D.O.T.)**HAZARD CLASS:** Combustible Liquid**ID#:** NA1993**CHEMICAL DESCRIPTION**

A POLYALKYLSUCCINIMIDE IN AROMATIC HYDROCARBONS.

SECTION 2 HAZARDOUS INGREDIENTS**CAS NUMBER****MATERIAL****EXPOSURE LIMITS**

64742-94-5 Heavy aromatic naphtha

RECOMMENDED: 25 ppm*****
SECTION 3 PHYSICAL DATA**SPECIFIC GRAVITY**(H2O = 1.0@60 F): 0.887**VOLATILITY:** Moderate**VAPOR PRESSURE:** Not Established**SOL. IN WATER:** Insoluble**APPEARANCE AND ODOR:** Yellow liquid. Aromatic odor.*****
SECTION 4 FIRE AND EXPLOSION HAZARD DATA**FLASH POINT:** 118 F**FLAMMABLE LIMITS:** Not Established**FLASH METHOD:**

SFCC ASTM D-3828

EXTINGUISHING MEDIA:

Use water spray or fog, alcohol-type foam, dry chemical or CO2.

FIRE FIGHTING PROCEDURES:

Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. Combustible. Keep fire exposed containers cool using water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back.

CONTINUED ON PAGE: 2

MATERIAL SAFETY DATA SHEET

PAGE

CONTINUATION OF PAC0480L

SECTION 5 HEALTH HAZARD DATA**EFFECTS OF OVEREXPOSURE:****INHALATION:**

Vapors are highly irritating to eyes, nose and respiratory system, and may produce nausea, headache and dizziness. Prolonged exposure to elevated concentrations may cause drowsiness, weakness and CNS depression. In extreme cases narcosis and even loss of consciousness may occur. Chronic effects of repeated exposures to high concentrations may include damage to kidneys and liver.

SKIN AND EYE CONTACT:

Causes mild to moderate irritation on brief skin contact. Prolonged contact with skin will cause moderate to severe irritation or possibly burns where clothing is confined. Repeated or prolonged contact may result in dermatitis due to defatting solvent properties. Contact with eyes will result in moderate to severe irritation, and in extreme cases may result in severe but transient eye injury.

INGESTION:

May cause severe gastrointestinal distress with nausea, vomiting and diarrhea. Aspiration into lungs may cause pulmonary edema and chemical pneumonitis. May be readily absorbed through the gastrointestinal tract.

EMERGENCY AND FIRST AID PROCEDURES:

Wash skin thoroughly with soap and water. If rash or irritation develops, consult a physician. Launder clothing before reuse. If in eyes, irrigate with flowing water immediately and continuously for fifteen minutes. Consult a physician promptly.

If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptoms persist or exposure was severe.

Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Consult a physician immediately.

NOTE TO PHYSICIAN: Administer activated carbon if indicated.

SECTION 6 REACTIVITY DATA**STABILITY:**

Stable under normal conditions of storage and use.

CONTINUED ON PAGE: 3

MATERIAL SAFETY DATA SHEET

PAGE 3

CONTINUATION OF PA00480L

INCOMPATIBILITY:

Keep away from strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of nitrogen.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 7 SPILL AND LEAK PROCEDURES**IF MATERIAL IS SPILLED OR RELEASED:**

Small spill - Absorb on paper, cloth or other material.

Large spill - Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Cover residue with dirt, or suitable chemical adsorbent. Use personal protective equipment as necessary.

DISPOSAL METHOD:

Place chemical residues and contaminated adsorbent materials into a suitable waste container and take to an approved waste disposal site. Dispose of all residues in accordance with applicable waste management regulations.

DECONTAMINATION PROCEDURES:

Not appropriate.

SECTION 8 SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION:**

When concentrations exceed the exposure limits specified, use of a NIOSH-approved organic vapor cartridge respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a self-contained breathing unit may be necessary.

VENTILATION:

General ventilation should be provided to maintain ambient concentrations below nuisance levels. Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

PROTECTIVE CLOTHING:

Chemical-resistant gloves and chemical goggles should be used to prevent skin and eye contact.

CONTINUED ON PAGE: 4

MATERIAL SAFETY DATA SHEET

PAGE 4

CONTINUATION OF PA00480L

SECTION 9 SPECIAL PRECAUTIONS

Avoid heat, sparks and open flames. Avoid breathing of vapors and contact with eyes, skin or clothing. Keep container closed when not in use. Hazardous product residue may remain in emptied container. Do not reuse empty container without commercial cleaning or reconditioning.

Although the information and recommendations set forth herein are believed to be correct as of the date hereof, Petrolite makes no representations to the accuracy of such information and recommendations. It is the user's responsibility to determine the suitability and completeness of such information and recommendation for its own particular use. Petrolite shall not be responsible for any direct, indirect, incidental or consequential damages of whatsoever nature resulting from the publication, use of or reliance upon such information and recommendations.

PETROLITE EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES OF EVERY KIND AND NATURE INCLUDING THOSE OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE PRODUCT, THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN OR ANY USE OR RELIANCE THEREON.

ENVIRONMENTAL DATA SHEET

PAGE 1

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A.

REVISION DATE: 06/21/93
CHEMTREC EMER NO: 1-800-424-9300
INFORMATION PHONE: 1-314-961-3500

PRODUCT: PA00480L

The following information is provided for the convenience of Petrolite customers. This Environmental Data Sheet is incorporated into the Material Safety Data Sheet (MSDS) for the Petrolite product named above. When physically attached to the MSDS, this Environmental Data Sheet must not be detached from the MSDS. Any copying or redistribution of the MSDS to which this Environmental Data Sheet is attached must include copying and redistribution of this Environmental Data Sheet as well.

Petrolite makes reasonable efforts to assure the accuracy of this information, but makes no representation or warranty about it. This information is not intended as legal advice nor as a definitive guide to the requirements of applicable laws and regulations.

NFPA DESIGNATION 704

PRODUCT LABEL CODES	DEGREE OF HAZARD
HEALTH (BLUE) = 1	0 = LEAST
FLAMMABILITY (RED) = 2	1 = SLIGHT
REACTIVITY (YELLOW) = 0	2 = MODERATE
SPECIAL HAZARDS =	3 = HIGH
	4 = EXTREME

TSCA INVENTORY

This product, or its components, if a mixture, are on the Toxic Substance Control Act (TSCA) inventory.

ENVIRONMENTAL DATA SHEET

PAGE 2

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A.

REVISION DATE: 06/21/93
CHEMTREC EMER NO: 1-800-424-9300
INFORMATION PHONE: 1-314-961-3508

PRODUCT: PA00480L

CERCLA HAZARDOUS SUBSTANCES AND REPORTABLE QUANTITIES

This Petrolite product contains the following materials which have been listed as a hazardous substance or substances subject to the release reporting requirements of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and 40 CFR Part 302 and 40 CFR 355.40. The reportable quantities (RQs) are calculated in gallons of product. Each entry corresponds to the RQ, in pounds, of the listed CERCLA hazardous substance.

CHEMICAL	CAS NUMBER	RQ, #	RQ, GAL
Naphthalene	91-20-3	100	890
Xylene (mixed)	1330-20-7	1,000	1,160
Cumene	98-82-8	5,000	9,580
Ethylbenzene	100-41-4	1,000	33,000
Toluene	108-88-3	,000	84,600

SARA TITLE III, EXTREMELY HAZARDOUS SUBSTANCES

This Petrolite product contains the following materials which have been listed as an Extremely Hazardous Substance or Substances subject to the emergency planning provisions of SARA Title III, Section 302 and 40 CFR 355.30, the release reporting requirements of SARA Title III, Section 304 and 40 CFR 355.40, and the hazardous chemical reporting/community right-to-know requirements of SARA Title III, Section 312 and 40 CFR Part 370. The reportable quantities (RQs) and threshold planning quantities (TPQs) are calculated in gallons of product. Each entry corresponds to the RQ or TPQ in pounds, as appropriate, for the listed Extremely Hazardous Substances. No data is given for listed Extremely Hazardous Substances present in concentrations below applicable de minimis levels.

**** NONE ****

SARA TITLE III, SECTION 311: HAZARD CATEGORIES

This Petrolite product has been assigned to the following hazard

ENVIRONMENTAL DATA SHEET

PAGE 3

PETROLITE CORPORATION
369 MARSHALL AVE.
ST. LOUIS MO 63119 U.S.A.

REVISION DATE: 06/21/93
CHEMTREC EMER NO: 1-800-424-9300
INFORMATION PHONE: 1-314-961-3500

PRODUCT: PA00480L

SARA TITLE III, SECTION 311: HAZARD CATEGORIES (CONT)

category(ies), as provided by SARA Title III, Section 311 and 40
CFR 370, Subpart A, 370.2:

Acute (immediate) health hazard
Fire hazard

SARA TITLE III, SECTION 312 INVENTORY REPORTING INFORMATION

This Petrolite product has the following physical characteristics for any
required reporting on the federal Tier Two form or its equivalent:

MIXTURE
LIQUID

SARA TITLE III, SECTION 313

This Petrolite product contains the following materials which have been
listed as a toxic chemical or chemicals subject to the reporting
requirements of section 313 of Title III of the Superfund Amendments and
Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL	CAS NUMBER	WEIGHT PERCENT
Cumene *	98-82-8	7.1 %
1,2,4-Trimethylbenzene *	95-63-6	34.7 %
Xylene (mixed isomers) *	1330-20-7	11.7 %
Naphthalene *	91-20-3	1.5 %
* solvent component		

PETROLITE EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES OF EVERY KIND
AND NATURE, INCLUDING THOSE OF MERCHANTABILITY AND OF FITNESS FOR A
PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT AND THE INFORMATION
CONTAINED HEREIN OR ANY USE OR RELIANCE THEREON. Petrolite shall
not be responsible for any direct, indirect, incidental or
consequential damage of whatsoever nature resulting from the
publication, use of or reliance upon this information.

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 19, 1996

Arlene Luther
Navajo Nation Environmental Protection Agency
Ft. Defiance Building Number F-00433
Fort Defiance, AZ 86504

Certified Letter No. P 468 880 611
(P 468 880 613)

Re: Tretolite Chemical truck accident, soil analysis and remediation Project No. 95021

Dear Arlene:

Enclosed are a second set of the analysis and QA/QC for the referenced incident. The accident occurred one mile south of Montezuma Creek, Utah at the intersection of Utah Highway 191 and Navajo Nation Highway 35. Lansing Construction responded to the site for cleanup of the spill on April 4, 1996. The soil (approximately 28 cubic yards) is currently stored on plastic at the Lansing Construction yard in Montezuma Creek, Utah. George Cary, Petrolite Chemical, has requested that Envirotech, Inc. accept this soil for remediation at our Soil Remediation Facility. A sample of the soil was collected for TCLP analysis on April 11, 1996. Because chemical involved was a solvent the New Mexico Environment Department Hazardous and Radioactive Material Bureau was contacted for guidance. Coby Muckelroy, Director of the bureau, indicated that since this was new product and the compounds involved are the same as in petroleum hydrocarbons it could be treated at our soil remediation facility.

Based on the outcome of the TCLP analysis Envirotech proposes to accept the soil at our Landfarm #2 for remediation. We are seeking acknowledgement of the proposed handling protocol from the Navajo Nation Environmental Protection Agency and the subsequent approval of the New Mexico Oil Conservation Division (NMOCD) so that the material can be transported to our facility by Lansing Construction of Montezuma Creek, Utah. The soil will be placed in a labeled cell where it will be tilled every two weeks until remediation is complete. Closure of the cell be accomplished through analysis (8015 - TPH and 8020 - BTEX). When analysis indicates that the sampling parameters for this soil are below limits established by the New Mexico Water Quality Control Commission, the cell will be closed NMOCD approval, and the generator notified that remediation is complete. The soil will remain on site and the cell returned to natural range conditions.

Thank you for your assistance with this project. If you have questions or comments regarding this project please feel free to contact us at 1(800)362-1879 or (505)632-0615.

Respectfully submitted,
Envirotech, Inc.



Harlan M. Brown
Staff Geologist /Hydrogeologist

Encl. Telephone communication; and TCLP Analysis

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 19, 1996

Arlene Luther
Navajo Nation Environmental Protection Agency
Ft. Defiance Building Number F-00433
Fort Defiance, AZ 86504

Certified Letter No. P 468 880 611

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Respectfully submitted,
Envirotech, Inc.



Harlan M. Brown
Staff Geologist /Hydrogeologist

Encl. Telephone communication; and TCLP Analysis

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECORD OF COMMUNICATION

JOB NUMBER:

TO: ~~Thermon H. Brown~~ Coby Mackelroy, NMED # RMB

FROM: Thermon H. Brown

DATE: 4-11-96

TIME: 16:30

PHONE NUMBER: 505-827-1557

TYPE OF CONTACT: phone

SUBJECT: Tretolite Truck accident, 2 bbl "partial" release

NOTES: gave Coby % of each constituent

Asked if this product would be classified as a hazardous waste; noted that it is listed as a solvent. He said if it did not show "Characteristics" (TCUP) is would not be hazardous and we could handle remediation of 20-28 cy. soil @ land farm #2

SUMMARY OF COMMUNICATION:

ENVIROTECH INC.
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NM 87401
PHONE: (505) 632-0615 FAX: (505) 632-1865

ENVIROTECH inc.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

May 1, 1996

Arlene Luther
Navajo Nation Environmental Protection Agency
P.O. Box 339
Window Rock, AZ 86515

Re: Tretolite Chemical truck accident, soil analysis and remediation Project No. 95021

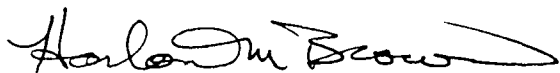
Dear Arlene:

Enclosed are the analysis and QA/QC for the referenced incident. The accident occurred one mile south of Montezuma Creek, Utah at the intersection of Utah Highway 191 and Navajo Nation Highway 35. Lansing Construction responded to the site for cleanup of the spill on April 4, 1996. The soil (approximately 28 cubic yards) is currently stored on plastic at the Lansing Construction yard in Montezuma Creek, Utah. George Cary, Petrolite Chemical, has requested that Envirotech, Inc. accept this soil for remediation at our Soil Remediation Facility. A sample of the soil was collected for TCLP analysis on April 11, 1996. Because chemical involved was a solvent the New Mexico Environment Department Hazardous and Radioactive Material Bureau was contacted for guidance. Coby Muckelroy, Director of the bureau, indicated that since this was new product and the compounds involved are the same as in petroleum hydrocarbons it could be treated at our soil remediation facility.

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Respectfully submitted,
Envirotech, Inc.



Harlan M. Brown
Staff Geologist /Hydrogeologist

Encl. Telephone communication
TCLP Analysis

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

April 19, 1996

Mr. George Cary
Petrolite Corporation
369 Marshall Avenue
St. Louis, Missouri 63119-1897

Project No.: 95021-01

RE: Hazardous Waste Characterization Results for Tretolite Chemical, Inc. - from truck
accident near Montezuma Creek, Utah.

Dear Mr. Cary,

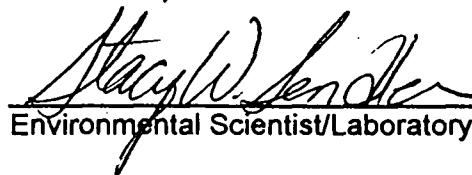
Enclosed are the analytical results for the sample collected from the location designated as "Lansing Construction Yard Stockpile from Truck Accident", located near Montezuma Creek, Utah. One 5-point composite soil sample was collected by Envirotech personnel on April 11, 1996, and received by the Envirotech laboratory on April 11, 1996 for Hazardous Waste Characterization analysis (Volatiles, Semi-volatiles, Trace Metals, Corrosivity, Reactivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 4758 and assigned Laboratory No. A093 for tracking purposes.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It has been our pleasure doing business with you and we hope you will consider Envirotech, Inc. for any of your future environmental contracting needs.

Respectfully submitted,
Envirotech, Inc.


Environmental Scientist/Laboratory Manager

enc.

SWS/lws

95021-01.1b1

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
* Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
* Cadmium	1.0	D006	✓ Lead	5.0	D008
Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 Pesticide
Pesticide Chlordane	0.03	D020	* Mercury	0.2	D009
Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 Pesticide
Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
* Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
o-Cresol	200.0	D023	* Selenium	1.0	D010
p-Cresol	200.0	D025	* Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 Pesticide
1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
Pesticide * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
Pesticide Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

- -EP Toxic wastes: TCI P must now be utilized for characterizing these wastes

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Tretolite	Project #:	95021-
Sample ID:	5 pt. Comp. Lansing Yd.	Date Reported:	04-15-96
Lab ID#:	A093	Date Sampled:	04-11-96
Sample Matrix:	Soil	Date Received:	04-11-96
Preservative:	Cool	Date Analyzed:	04-15-96
Condition:	Cool & Intact	Chain of Custody:	4758

Parameter	Result
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IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.64

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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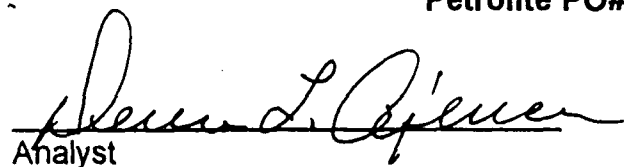
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

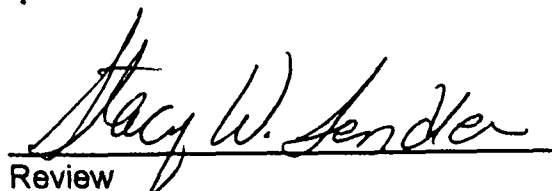
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Lansing const. Yard Stockpile from Truck Accident.
Petrolite PO# 96-1232


Analyst


Review

Client:	Tretolite	Project #:	95021-
Sample ID:	5 pt. Comp. Lansing Yd.	Date Reported:	04-19-96
Laboratory Number:	A093	Date Sampled:	04-11-96
Chain of Custody:	4758	Date Received:	04-11-96
Sample Matrix:	Soil	Date Extracted:	04-15-96
Preservative:	Cool	Date Analyzed:	04-19-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

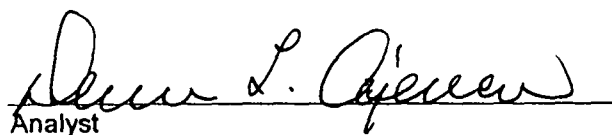
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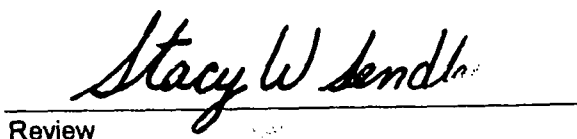
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	101%
	Bromofluorobenzene	103%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Lansing Const. Yard Stockpile from Truck Accident.**
Petrolite PO # 96-1232


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Tretolite	Project #:	95021-
Sample ID:	5 pt. Comp. Lansing Yd.	Date Reported:	04-17-96
Laboratory Number:	A093	Date Sampled:	04-11-96
Chain of Custody:	4758	Date Received:	04-11-96
Sample Matrix:	Soil	Date Analyzed:	04-17-96
Preservative:	Cool	Date Extracted:	04-15-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.002	0.001	5.00
Barium	1.51	0.01	100
Cadmium	0.002	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.038	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

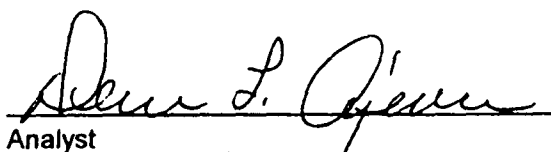
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

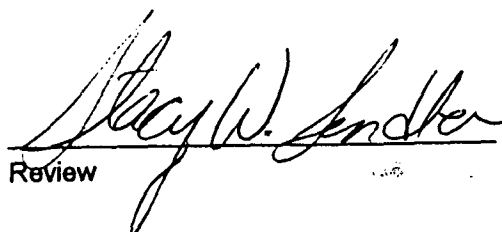
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Lansing Const. Yard Stockpile from Truck Accident.
Petrolite PO# 96-1232.**


Analyst


Review

Client:	Tretolite	• Project #:	95021-
Sample ID:	5 pt. Comp. Lansing Yd.	Date Reported:	04-19-96
Laboratory Number:	A093	Date Sampled:	04-11-96
Chain of Custody:	4758	Date Received:	04-11-96
Sample Matrix:	Soil	Date Extracted:	04-15-96
Preservative:	Cool	Date Analyzed:	04-19-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.027	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

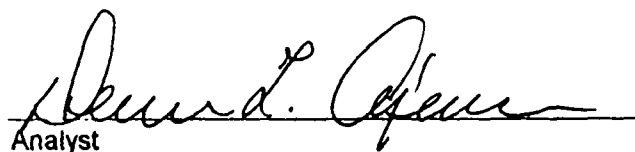
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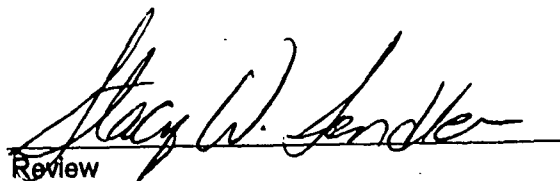
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	94%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Lansing Const. Yard Stockpile from Truck Accident.
Petrolite PO # 96-1232


Analyst


Review

Client:	Tretolite	Project #:	95021-
Sample ID:	5 pt. Comp. Lansing Yd.	Date Reported:	04-19-96
Laboratory Number:	A093	Date Sampled:	04-11-96
Chain of Custody:	4758	Date Received:	04-11-96
Sample Matrix:	Soil	Date Extracted:	04-15-96
Preservative:	Cool	Date Analyzed:	04-19-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	102%
	2,4,6-Tribromophenol	97%

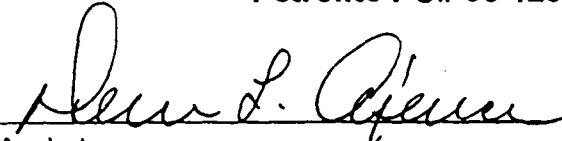
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

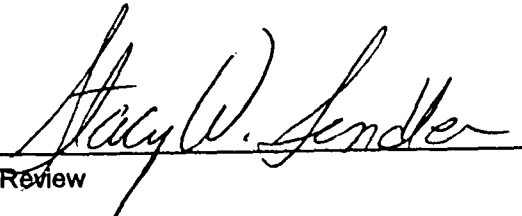
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Lansing Const. Yard Stockpile from Truck Accident.
Petrolite PO# 96-1232


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-19-96
Laboratory Number:	04-19-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-19-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

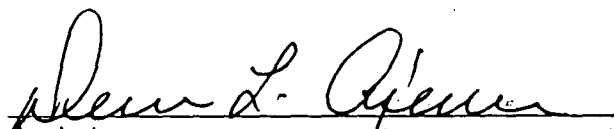
ND - Parameter not detected at the stated detection limit.

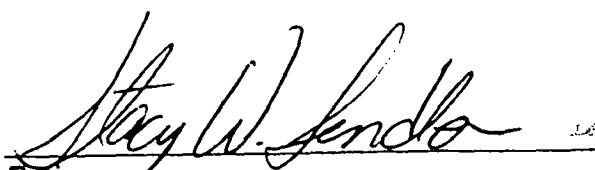
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	94%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-19-96
Laboratory Number:	04-15-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-19-96
Condition:	N/A	Date Extracted:	04-15-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

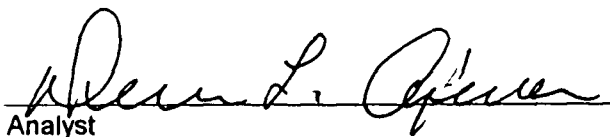
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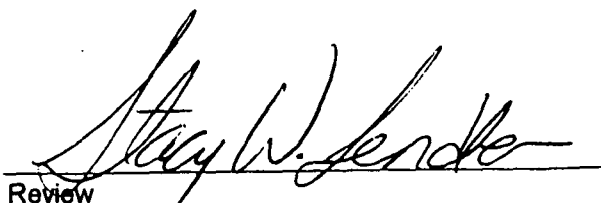
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	101%
	Bromofluorobenzene	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

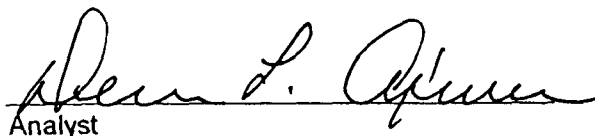
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-19-96
Laboratory Number:	A093	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-19-96
Condition:	N/A	Date Extracted:	04-15-96

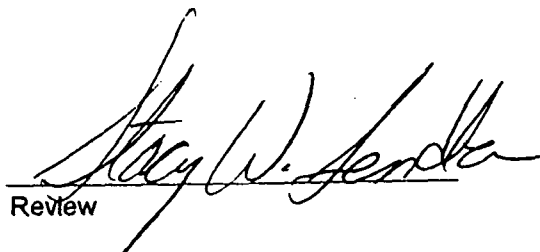
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A093.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

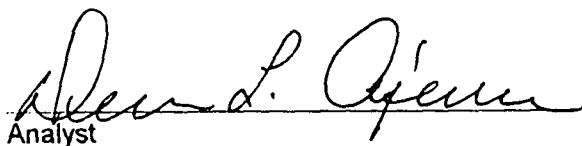
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Sample ID:	Matrix Spike	Date Reported:	04-19-96
Laboratory Number:	A093	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-19-96
Condition:	N/A	Date Extracted:	04-15-96

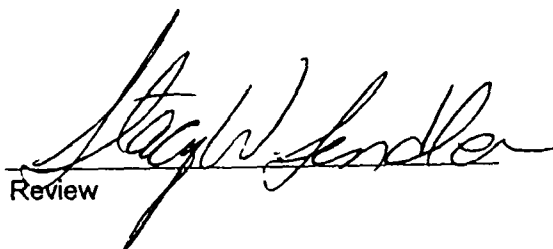
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0198	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0197	0.0001	98%	43-143
2-Butanone (MEK)	ND	0.020	0.0189	0.0001	95%	47-132
Chloroform	ND	0.020	0.0194	0.0001	97%	49-133
Carbon Tetrachloride	ND	0.020	0.0196	0.0001	98%	43-143
Benzene	ND	0.020	0.0186	0.0001	93%	39-150
1,2-Dichloroethane	ND	0.020	0.0196	0.0001	98%	51-147
Trichloroethene	ND	0.020	0.0196	0.0003	98%	35-146
Tetrachloroethene	ND	0.020	0.0192	0.0005	96%	26-162
Chlorobenzene	ND	0.020	0.0197	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0192	0.0002	96%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A093.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	04-17-96
Laboratory Number:	A093	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-17-96
Condition:	N/A	Date Extracted:	04-15-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.002	0.103	101%
Barium	1.00	1.51	2.51	100%
Cadmium	0.050	0.002	0.053	102%
Chromium	0.050	ND	0.052	104%
Lead	0.100	0.038	0.139	101%
Mercury	0.025	ND	0.024	96%
Selenium	0.100	ND	0.098	98%
Silver	0.050	ND	0.048	96%

ND - Parameter not detected at the stated detection limit.

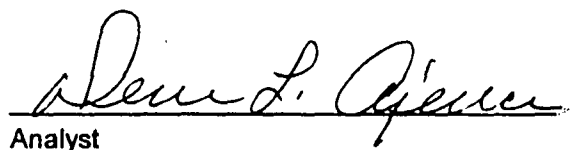
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

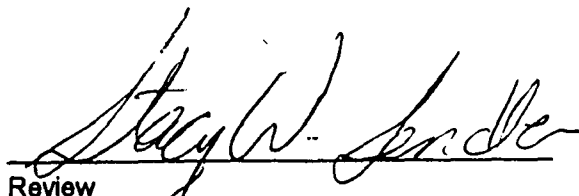
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A093.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	04-17-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-17-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

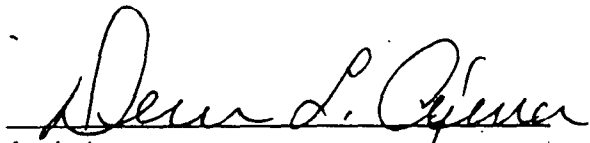
ND - Parameter not detected at the stated detection limit.

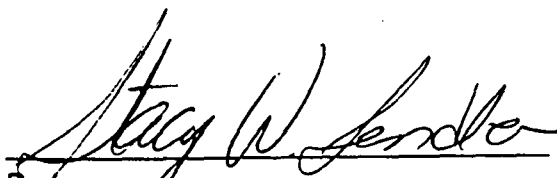
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A093.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-17-96
Laboratory Number:	A093	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	04-17-96
Condition:	N/A	Date Extracted:	04-15-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.002	0.002	0.0%
Barium	1.51	1.49	1.3%
Cadmium	0.002	0.002	0.0%
Chromium	ND	ND	0.0%
Lead	0.038	0.037	2.7%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

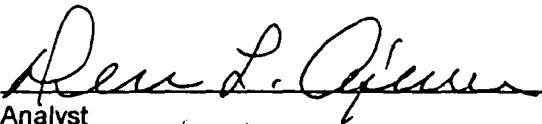
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A093.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 04-19-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 04-19-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 04-19-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.027	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

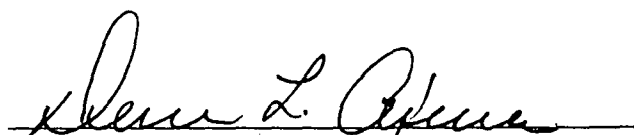
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 04-15-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 04-19-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 04-15-96
Date Analyzed: 04-19-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.027	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
---------------------------	-----------	------------------

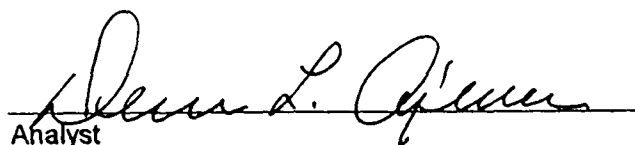
2-fluorobiphenyl

94%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: A093
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 04-19-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 04-15-96
Date Analyzed: 04-19-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.027
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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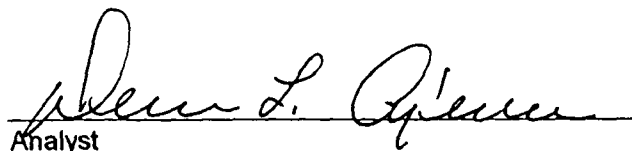
8090 Compounds

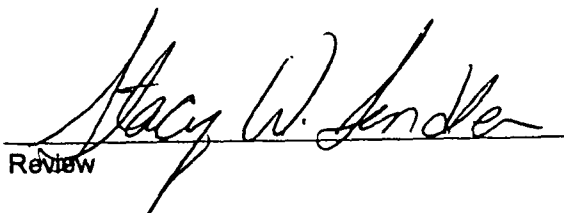
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank**

Client:	QA/QC	• Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-19-96
Laboratory Number:	04-19-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-19-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-tribromophenol	97 %

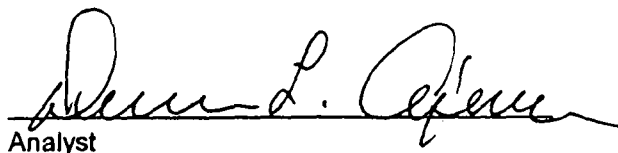
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-19-96
Laboratory Number:	04-15-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-15-96
Condition:	Cool & Intact	Date Analyzed:	04-19-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.021	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	97%

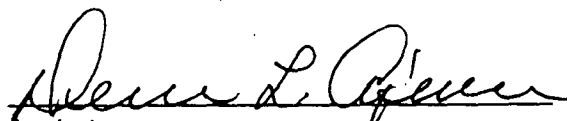
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

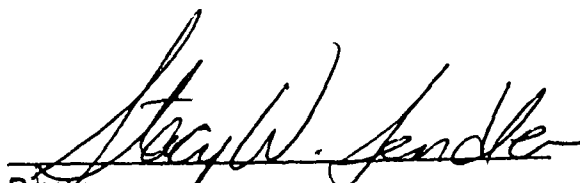
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-19-96
Laboratory Number:	A093	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-15-96
Condition:	Cool & Intact	Date Analyzed:	04-19-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.021	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

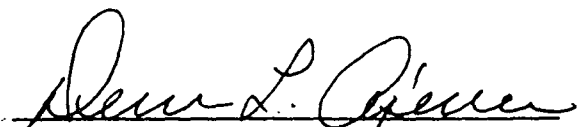
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

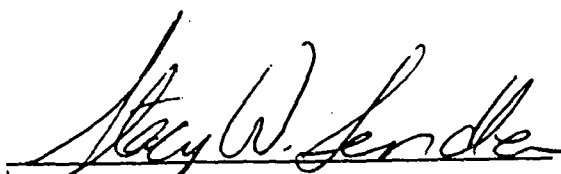
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A093.


Analyst


Review

95021-

CHAIN OF CUSTODY RECORD

Client/Project Name TRETOLITE			Project Location Lansing Const. yard Stockpile from TRUCK ACCIDENT		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>Harold M. Brown</i>			Chain of Custody Tape No. PO # 96-1232		No. of Containers TCUP 36 K&P	✓						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
5 pt. Comp Lansing yd.	4-11-96	11:40	A093	Soil								
Relinquished by: (Signature) <i>Harold M. Brown</i>			Date 4-11-96	Time 14:00	Received by: (Signature) <i>David L. Adams</i>			Date 4-11-96	Time 14:00			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Farmington, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96043

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Cooper Energy Services
2. Management Facility Destination Envirotech Soil RemediationFac. Landfarm #2	5. Originating Site Oil/water Separator
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	6. Transporter Garcia
7. Location of Material (Street Address or ULSTR)	8. State New Mexico 3900 Bloomfield Hwy. Farmington, New Mexico
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. 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:

liquid/sludge in 100 bbl storage tank from oil/water separator at parts wash.

TCLP ATTACHED.

Liquids went to TNT
oil went to D and O.

RECEIVED
SEP - 6 1996
OIL CON. DIV.
DIST. 3

verbal by Roger Anderson 9/16/96 - lost in mail

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

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: 9-6-96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. (505) 632-0615

Note cyclic Ketones

(This space for State Use)

APPROVED BY: Perry G. Faint

TITLE: Geologist

DATE: 9/6/96

APPROVED BY:

TITLE:

DATE:

Office - (505) 393-6161
P. Box 1980
Albuquerque, NM 88241-1980
District II - (505) 748-1283
13, First
Albuquerque, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
District IV - (505) 827-7131

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

Form C-
Originated at

Submit On
Plus 1
to approve
District C

Env JN: 96043

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Cooper Energy Service
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Oil/Water Separator
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Garcia
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	3900 Bloomfield Hwy. Farmington, New Mexico

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.
- 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:

liquid/sludge in 100 bbl storage tank from oil/water separator at parts wash.

TCLP ATTACHED.

RECEIVED
SEP 18 1996

Environmental Bureau
Oil Conservation Division

RECEIVED
SEP - 6 1996

OIL CON. DIV.
DIST. 3

verbal by Roger Anderson 9/16/96 - lost in mail

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-6-96
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

Note cyclic Ketanes

(This space for State Use)

APPROVED BY: Dennis G. Funt TITLE: Geologist DATE: 9/6/96

APPROVED BY: [Signature] TITLE: Bureau Chief DATE: 9/18/96

ENVIROTECH INC.

SPECIALTIES FOR THE FUTURE

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIALOriginating Location: COOPER ENERGY SVC. 3900 Bloomfield Hwy. Farmington

87401

Source: WASTE OIL SEPARATOR / WASH BAYDisposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Cooper Energy Services
concur with the status of the waste from the subject site.

Name Jeffrey T. Bills

Title/Agency

PROJECT ANALYSTAddress 3900 Bloomfield HwyFARMINGTON, NM 87401Signature Jeffrey T. BillsDate 9-6-96

Cooper Energy Services
 Oil/Water Separator
 3900 Bloomfield Hwy Farmington

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlor dane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ * Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

* = EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

Client:	Cooper Energy Services	Project #:	96043
Sample ID:	Oil / Water Separator	Date Reported:	08-29-96
Lab ID#:	A508	Date Sampled:	08-27-96
Sample Matrix:	Liquid	Date Received:	08-27-96
Preservative:	Cool	Date Analyzed:	08-29-96
Condition:	Cool & Intact	Chain of Custody:	4861

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 9.78

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

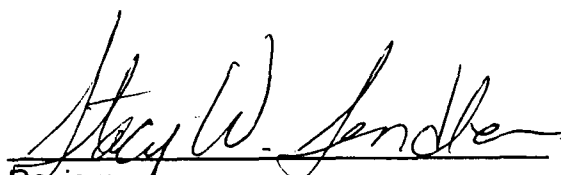
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 3900 Bloomfield Hwy.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Cooper Energy Services	Project #:	96043
Sample ID:	Oil / Water Separator	Date Reported:	09-05-96
Laboratory Number:	A508	Date Sampled:	08-27-96
Chain of Custody:	4861	Date Received:	08-27-96
Sample Matrix:	Liquid	Date Analyzed:	09-05-96
Preservative:	Cool	Date Extracted:	NA
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.055	0.001	5.00
Barium	4.17	0.01	100
Cadmium	0.269	0.001	1.00
Chromium	0.785	0.001	5.00
Lead	2.03	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	0.014	0.001	1.00
Silver	0.017	0.001	5.0

ND - Parameter not detected at the stated detection limit.

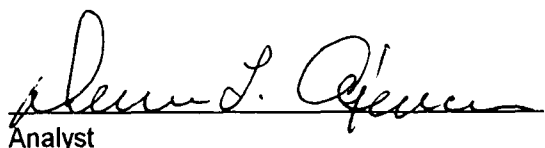
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

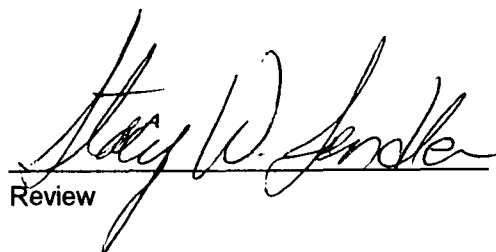
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **3900 Bloomfield Hwy.**


Analyst


Review

Client:	Cooper Energy Services	Project #:	96043
Sample ID:	Oil/Water Separator	Date Reported:	09-05-96
Laboratory Number:	A508	Date Sampled:	08-27-96
Chain of Custody:	4861	Date Received:	08-27-96
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	09-03-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0007	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.1408	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0053	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

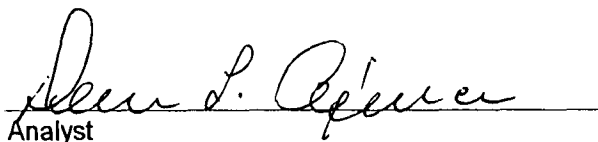
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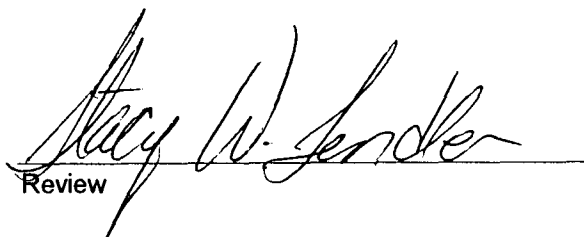
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 3900 Bloomfield Hwy.


Analyst


Review

Client:	Cooper Energy Services	Project #:	96043
Sample ID:	Oil / Water Separator	Date Reported:	09-05-96
Laboratory Number:	A508	Date Sampled:	08-27-96
Chain of Custody:	4861	Date Received:	08-27-96
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	09-04-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	0.155	0.020	3.0
Nitrobenzene	0.790	0.020	2.0
Hexachlorobutadiene	0.301	0.020	0.5
2,4-Dinitrotoluene	0.119	0.020	0.13
HexachloroBenzene	0.116	0.020	0.13

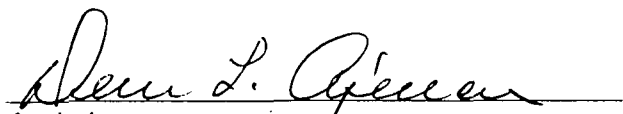
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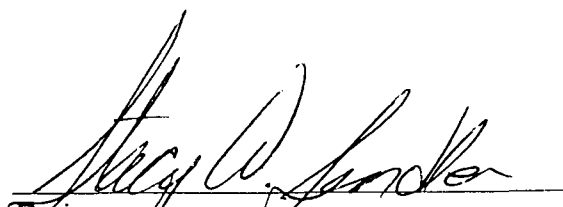
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 3900 Bloomfield Hwy.


Analyst


Review

Client:	Cooper Energy Services	Project #:	96043
Sample ID:	Oil / Water Separator	Date Reported:	09-05-96
Laboratory Number:	A508	Date Sampled:	08-27-96
Chain of Custody:	4861	Date Received:	08-27-96
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	09-05-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	0.166	0.040	200
2,4,6-Trichlorophenol	0.025	0.020	2.0
2,4,5-Trichlorophenol	0.408	0.020	400
Pentachlorophenol	0.319	0.025	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	101%
	2,4,6-Tribromophenol	97%

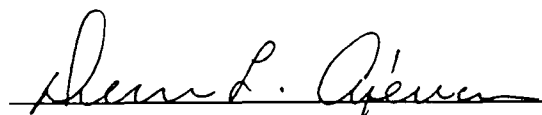
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

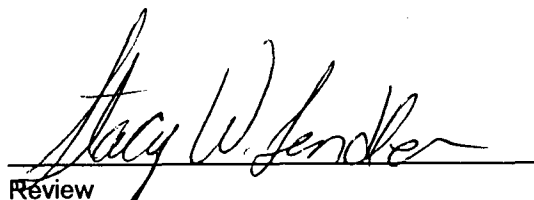
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **3900 Bloomfield Hwy.**


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	09-05-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-05-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

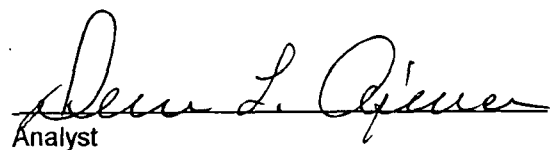
ND - Parameter not detected at the stated detection limit.

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-05-96
Condition:	N/A	Date Extracted:	08-29-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.007	0.007	0.0%
Barium	0.80	0.81	1.2%
Cadmium	0.076	0.076	0.0%
Chromium	ND	ND	0.0%
Lead	0.040	0.039	2.5%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

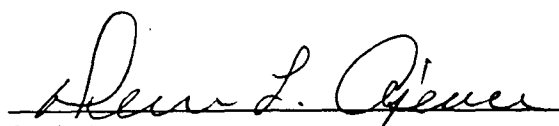
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

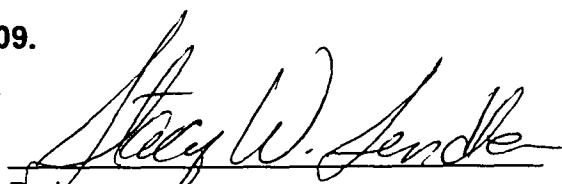
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples A508 and A509.**


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-05-96
Condition:	N/A	Date Extracted:	08-29-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.007	0.107	100%
Barium	1.00	0.80	1.81	101%
Cadmium	0.050	0.076	0.126	100%
Chromium	0.050	ND	0.050	100%
Lead	0.100	0.040	0.139	99%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.101	101%
Silver	0.050	ND	0.051	102%

ND - Parameter not detected at the stated detection limit.

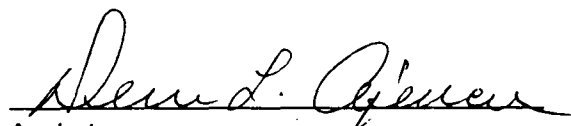
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

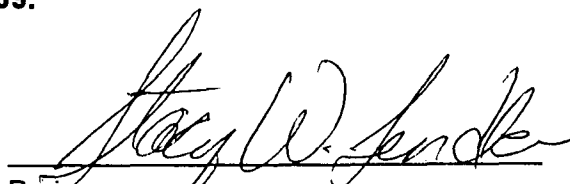
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples A508 and A509.**


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-05-96
Laboratory Number:	09-03-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-03-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0007	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

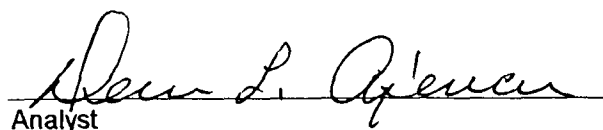
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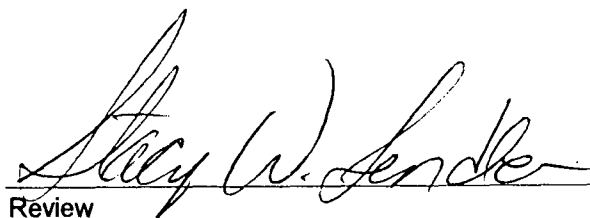
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	104%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-05-96
Laboratory Number:	08-29-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-03-96
Condition:	N/A	Date Extracted:	08-29-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0007	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

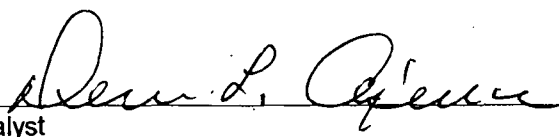
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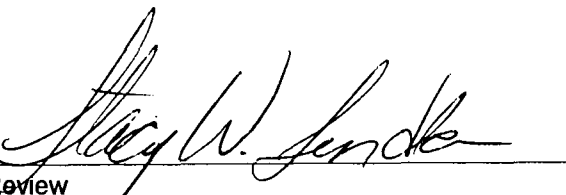
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

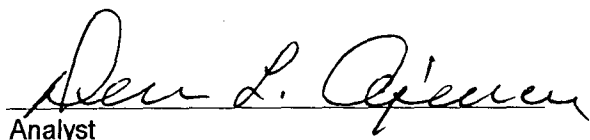
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-03-96
Condition:	N/A	Date Extracted:	08-29-96

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0007	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0079	0.0074	0.0001	6.8%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

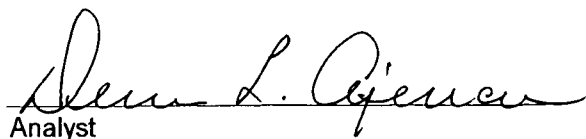
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-03-96
Condition:	N/A	Date Extracted:	08-29-96

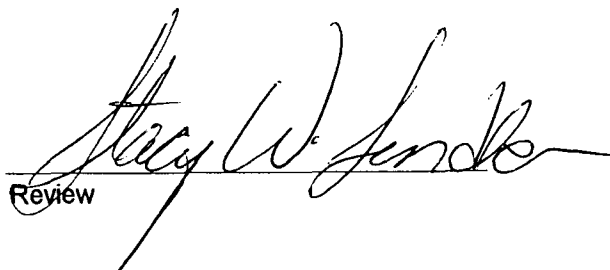
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0191	0.0007	92%	28-163
1,1-Dichloroethene	ND	0.020	0.0230	0.0001	95%	43-143
2-Butanone (MEK)	0.0079	0.020	0.0268	0.0001	96%	47-132
Chloroform	ND	0.020	0.0200	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0201	0.0001	97%	43-143
Benzene	ND	0.020	0.0191	0.0001	96%	39-150
1,2-Dichloroethane	ND	0.020	0.0197	0.0001	98%	51-147
Trichloroethene	ND	0.020	0.0198	0.0003	99%	35-146
Tetrachloroethene	ND	0.020	0.0199	0.0005	96%	26-162
Chlorobenzene	ND	0.020	0.0226	0.0003	97%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0219	0.0002	96%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-05-96
Laboratory Number:	09-04-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	09-04-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

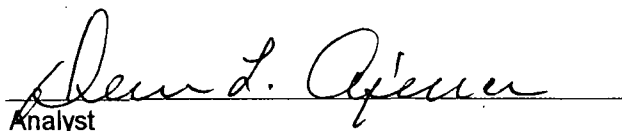
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **QA/QC for samples A508 and A509.**


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-05-96
Laboratory Number:	08-29-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-29-96
Condition:	Cool and Intact	Date Analyzed:	09-04-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

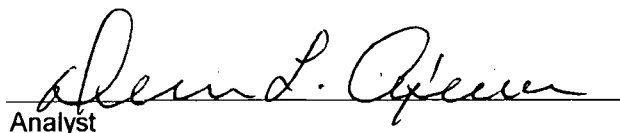
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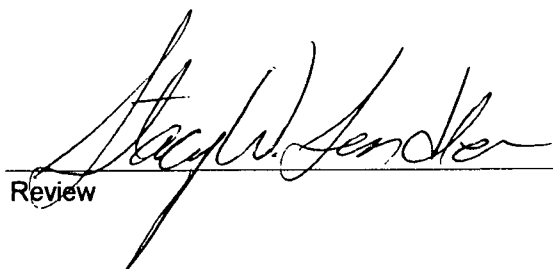
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	08-29-96
Condition:	N/A	Date Analyzed:	09-04-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
---------------------------	-----------	--------------------

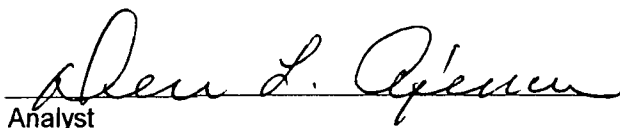
8090 Compounds

30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-05-96
Laboratory Number:	09-05-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-05-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.025	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	101 %

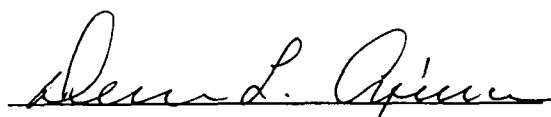
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

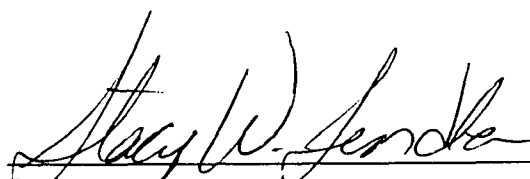
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-05-96
Laboratory Number:	08-29-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-29-96
Condition:	Cool & Intact	Date Analyzed:	09-05-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.025	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	98%

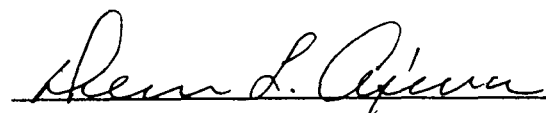
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

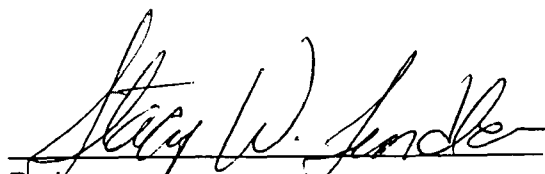
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-05-96
Laboratory Number:	A509	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-29-96
Condition:	Cool & Intact	Date Analyzed:	09-05-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.025	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

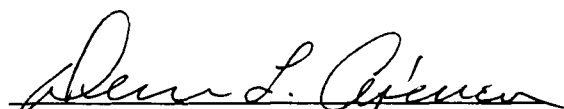
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

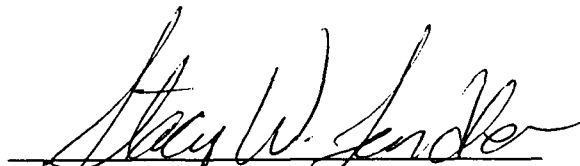
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

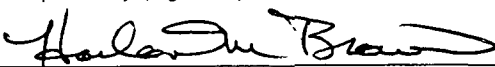
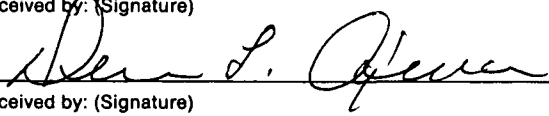
Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A508 and A509.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Cooper ENERGY Services			Project Location 3900 Bloomfield Hwy		ANALYSIS/PARAMETERS							
Sampler: (Signature) 			Chain of Custody Tape No. 96043		No. of Containers 12	12						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
Oil/water Separator	8-27-96	11:10	A507	Liquid/sludge	2							Low H ₂ O appearance
Oil/water Separator	8-27-96	12:28	A508	Liquid	7	X						
Relinquished by: (Signature) 			Date 8-27-96	Time 12:45 11:54 KMB	Received by: (Signature) 						Date 8-27-96	Time 12:45
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615												

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ DGF - 9/5/96	4. Generator E.P.F.S.
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site LD 259 Trunk C Lepp Drip X2
2. Management Facility Destination Envirotech Soil Remediation Fac. Landfarm #2	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	Unit P, Sec. 36, T29N, R9W SJL NM
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. 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:

petroleum hydrocarbon contaminated soil from pipeline drip.

LF 25
unit 5
cell C-17
017

RECEIVED
SEP - 6 1996
OIL CON. DIV.
DIST. 3

Estimated Volume ±100 cy Known Volume (to be entered by the operator at the end of the haul) 90 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-5-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 9/6/96
APPROVED BY: Eric Ruseh TITLE: Geologist DATE: 9/6/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

LD 259 TRUCK CLOPP DRIP X-2

Originating Location: Unit 1 Her P Section 36 Township 29 Range 9Source: Pipeline DripDisposal Location: Land farm 2 - Envirotech (Hilltop)

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Field Services concur with the status of the waste from the subject site.

Name Ricky D. Cosby
Title/Agency Compliance Specialist
Address P.O. BOX 4990 Farmington NM
599-2158
Signature Ricky D. Cosby
Date September 5, 1996

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96003-11

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐	4. Generator E.P.F.S. 5. Originating Site Lindbergh Plant
2. Management Facility Destination Envirotech Soil Remediation Fac. Landfarm #2	6. Transporter E.P.F.S.
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	Sec 18. T24N R5W
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. 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:

Cleanup of petroleum hydrocarbon soils around a dehydrator at Lindbergh Pl.

RECEIVED
AUG 28 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 24 cy Known Volume (to be entered by the operator at the end of the haul) 24 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-27-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Faust TITLE: Geologist DATE: 8/29/96
APPROVED BY: Eric Burch TITLE: DATE:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

Verbal OK
D.F.
7-29-96
15:30

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: LINDRITH PLANT (Sec. 18 T. 24N R. 5W)
Source: DEHYDRATOR SPILLAGE
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the EPFS
concur with the status of the waste from the subject site.

Name SANDRA D. MILLER
Title/Agency SUPERINTENDENT
EL PASO FIELD SERVICES
Address P.O. Box 4490
FARMINGTON, NM 87499
Signature Sandra D. Miller
Date 7/29/96

FAX
 TRANSMITTAL

EL PASO NATURAL GAS COMPANY

is a major open-access transporter of natural gas serving West Texas, New Mexico, Arizona, southern Nevada and California. California receives more than half of its gas from El Paso's 17,500-mile pipeline system, which is connected to every major producing basin in the Southwest. El Paso's customer-friendly electronic bulletin board, Passport, offers state-of-the-art programs beneficial to producers, buyers marketers, end-users and other pipelines.

TO	NAME OF RECIPIENT <i>Herlan Brown</i>		PAGE(S) TRANSMITTED <i>1 + Lower</i>	DATE <i>7/29/96</i>
	NAME OF COMPANY <i>Envirotech</i>			CITY/STATE
	ADDRESS			TELEPHONE NUMBER
	FAX NUMBER (REQUIRED)			
FROM	NAME OF SENDER <i>Sandra Meller</i>		NAME OF COMPANY	
	ADDRESS		☐ EL PASO NATURAL GAS ☐ OTHER	
REMARKS	☐ RETURN ☐ DO NOT RETURN		REPLY	FAX NUMBER: () _____
				VERIFY NUMBER: () _____

Box 930
Tobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
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to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Meridian Oil, INC.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Various Locations NGL Pipe Line</u>
2. Management Facility Destination <u>Enviro Tech's Landfarm #2, Hill Top, N.M.</u>	6. Transporter <u>Meridian</u>
3. Address of Facility Operator <u>5796 U.S. Hwy 64 Farmington, N.M. 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR) 1) <u>HOI Pipe Storage Yard, Farmington, N.M.</u> 2) <u>Sec 6, R24E, T41S, San Juan County, UTAH</u>	
9. <u>Circle One:</u> 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. 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:

Clean up along Natural Gas liquids pipeline of operations related spills & releases. Contaminated media on plastic and in drums at Meridian's Farmington Pipe Storage yard & at a Mobile Oil Yard in UTAH. This is a project conducted in cooperation with Jim Walker (formerly w/NEPA) during late winter 95-96 and early Spring '96.

TCLP ATTACHED.

RECEIVED
SEP - 9 1996

RECEIVED
AUG - 28 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 10 cy and 6 drums

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-28-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY: Denny G. Zent TITLE: Geologist DATE: 8/28/96
APPROVED BY: Ronald R. ... TITLE: Deputy Chief DATE: 9/3/96

District I - (505) 393-6161
Box 1980
Albuquerque, NM 88241-1980
District II - (505) 748-1283
311 S. First
Albuquerque, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Meridian Oil, Inc.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Various Locations NGL Pipe Line</u>
2. Management Facility Destination <u>EnviroTech's Landfarm #2, Hill Top, N.M.</u>	6. Transporter <u>Meridian</u>
3. Address of Facility Operator <u>5796 U.S. Hwy 64 Farmington, N.M. 87401</u>	8. State <u>New Mexico &</u>
7. Location of Material (Street Address or ULSTR)	1) <u>HOI Pipe Storage Yard, Farmington, N.M.</u> 2) <u>Sec 6, R24E, T41S, San Juan County, UTAH</u>
9. <u>Circle One:</u> 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. 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:

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TCLP ATTACHED.

RECEIVED
AUG 28 1996

OIL CON. DIV.
Dist. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the trip) Dist. 3

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-28-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY: Denny G. Zent TITLE: Geologist DATE: 8/28/96
APPROVED BY: _____ TITLE: _____ DATE: _____

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

Harlan

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Arlene Luther
Navajo Nation EPA
Ft. Defiance Building Number F-00436
Ft. Defiance, Arizona 86504

4a. Article Number

P 468 880 610

4b. Service Type

- ☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

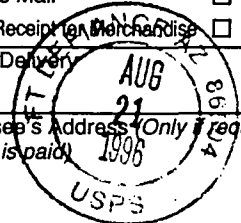
5. Received By: (Print Name)

SERA GONLD

6. Signature: (Addressee or Agent)

X

8. Addressee's Address (Only if requested and fee is paid)



PS Form 3811, December 1994

Domestic Return Receipt

Meridian Natural Gas Pipeline Leaks Cleanup

Thank you for using Return Receipt Service.

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 19, 1996

Certified Letter No. P 468880610

Arlene Luther
Navajo Nation Environmental Protection Agency
Ft. Defiance Building Number F-00433
Ft. Defiance, Arizona 86504

Re: Transportation of petroleum hydrocarbon contaminated soil

Dear Ms. Luther:

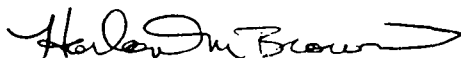
Envirotech, Inc. has been contracted by Meridian Oil Incorporated to remediate petroleum contaminated soil generated along a Natural Gas Liquids pipeline between Farmington, New Mexico and Montezuma Creek, Utah. The soil was generated during the cleanup of various leaks and spills along the line. The soil is stored at the Meridian Oil, Inc. boneyard in Farmington and at the Mobile yard near Montezuma Creek, Utah, Sec.6, T41S, R24E.

The soil is to be moved to Envirotech's Soil Remediation Facility, Landfarm #2, at Hilltop, New Mexico. However, before the transportation can begin we are seeking acknowledgement of the soil handling protocol from the Navajo Nation Environmental Protection Agency and approval from the New Mexico Oil Conservation Division.

We are enclosing a copy of the TCLP analysis, with complete Quality Control Report, conducted on a composite sample of the soil generated during the clean operation. The contaminated soil will be transported to Landfarm #2 where it will be spread in lifts approximately 8" thick. The soil will be spread in cells identified by grid numbers to provide administrative control (Meridian has a block of cells reserved for their exclusive use). The soil will be tilled every two weeks until remediation is complete. When the remediation is complete Meridian will be notified that no further action is needed and that the cells are to be closed. The soil will remain on site and the cells returned to natural conditions following remediation activities.

If you have further questions or comments please feel free to contact us at (800)362-1879 or (505)632-0615. Please advise us as soon as possible if you concur with this proposal.

Respectfully submitted,
Envirotech, Inc.



Harlan M. Brown
Staff Geologist / Hydrogeologist

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

1-520-871-3000

April 9, 1996

Lorenda Joe, Acting Director
Navajo Nation Environmental Protection Agency
P.O. Box 339
Window Rock, Arizona 86515

Re: Transportation of petroleum hydrocarbon contaminated soil

Dear Ms. Joe:

Envirotech, Inc. has been contracted by Meridian Oil Incorporated to remediate petroleum contaminated soil generated along a Natural Gas Liquids pipeline between Farmington, New Mexico and Montezuma Creek, Utah. The soil was generated during the cleanup of various leaks and spills along the line.

The soil is to be moved to Envirotech's Soil Remediation Facility, Landfarm #2, at Hilltop, New Mexico. However, before the transportation can begin we must receive acknowledgement of a soil handling protocol from the Navajo Nation Environmental Protection Agency and approval from the New Mexico Oil Conservation Division.

We are enclosing a copy of the TCLP analysis conducted on a composite sample of the soil generated during the clean operation. The contaminated soil will be transported to Landfarm #2 where it will be spread in lifts approximately 8" thick. The soil will be spread in cells identified by grid numbers to provide administrative control (Meridian has a block of cells reserved for there exclusive use). The soil will be tilled every two weeks until remediation is complete. When the remediation is complete Meridian will be notified that no further action is needed and that the cells are to be closed. The soil will remain on site and the cells returned to natural conditions following remediation activities.

If you have further questions or comments please feel free to contact us at (800)362-1879 or (505)632-0615). Please advise us as soon as possible if you concur with this proposal.

Respectfully submitted,
Envirotech, Inc.



Harlan M. Brown
Staff Geologist / Hydrogeologist

MERIDIAN OIL

Memorandum

To: Rob Young

Date: 4/8/96

From: Craig A. Bock

Location: Environmental/Safety

Re: Wingate Plant Nonexempt Soils
Natural Gas Liquids (NGL) Pipeline Nonexempt Soils

Attached are two TCLP analysis performed on oil field contaminated soils removed during a recent remediation project. Contaminated soils were removed and stockpiled in three locations. Wingate Plant soils are located in Section 16, Range 17W and Township 15N approximately 6 miles east of Gallup, NM. The NGL pipeline soils were collected at various points along the pipeline.

Soils from the NGL pipeline were stockpiled in two locations. One was in Section 6, Range 24E, and Township 41S near Montezuma Creek, Utah and the other soils were placed into sealed metal drums and stored in Meridian Oil Inc.'s (Meridian) pipe storage yard in Farmington, NM.

TCLP analysis Sample ID M6-WBY-1A was a composite sample taken from the Wingate Plant soils. The results of the analysis indicate the material is classified as an oil field NONEXEMPT, NONHAZARDOUS waste. TCLP analysis Sample ID MB-COMP-1 was a composite sample taken from the soils collected at various locations along the NGL pipeline. The results of the analysis indicate the material is classified as an oil field NONEXEMPT, NONHAZARDOUS waste.

MOI would like approval for these soils to be transported to and treated at Envirotech's Landfarm located near Bloomfield, NM.

Please contact me at (505) 326-9537 if you have any questions regarding this issue.



Craig A. Bock
Environmental Representative - Meridian Oil Inc.

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: MGL Pipelining - Meridian Oil Inc.
Source: MGL Pipeline operations. Located at sec 4, R. 24E, T. 41S
Disposal Location: Envirotech Soil Remediation Facility (NMED)
and MGL Pipe Storage Yard in Farmington
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name CRAIG A. BUCK
Title/Agency Environmental Representative
Address 20 Box 4209, Farmington,
NM, 87409-4209
Signature C. A. Buck
Date 4/8/96

See TCLP Analysis

Sample ID: MB-COMP-1

Exempt Waste Manifest
Meridian Oil Inc.
PO Box 4289, Farmington, NM 87400

Safety and
Environmental

1. Waste Location: Lease/Well No. MOI Pipeline Material
 2. Volume: _____ Cubic Yards _____ Barrels _____ Gallons
 3. Description of Waste: Contaminated soils from various
location along MOI's MOI pipeline.
 4. Method of Waste Generation: _____
 5. Disposal Facility: EnviroTech
 6. Disposal Cost: _____
 7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.
- Approval for Disposal *G. H. Buck* Date 4/18/96
(signature)

MOI
Representative

Transportation Company: _____

Date(s) Transported: _____

MOI Representative on Site _____ Date _____
(signature)

Disposal Facility
State and
County
Name
and
Environmental
Invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____
(signature)

Revised January 16, 1994

116-Comp-1 - pipeline cleanup various spills
Lab ID: 2889
Reported - 4-3-96

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter mg/l)	EPA HW No.
• Arsenic	5.0✓	D004	Hexachlorobenzene	0.13✓	D032
• Barium	100.0✓	D005	Hexachlorobutadiene	0.5✓	D033
Benzene	0.5✓	D018	Hexachloroethane	3.0✓	D034
• Cadmium	1.0✓	D006	• Lead	5.0✓	D008
Carbon Tetrachloride	0.5✓	D019	• Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlorodane	0.03	D020	• Mercury	0.2✓	D009
Chlorobenzene	100.0✓	D021	• Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0✓	D022	Methyl ethyl ketone	200.0✓	D035
• Chromium	5.0✓	D007	Nitrobenzene	2.0✓	D036
Cresol	200.0	D026	Pentachlorophenol	100.0✓	D037
m-Cresol	200.0✓	D024	Pyridine	5.0✓	D038
o-Cresol	200.0✓	D023	• Selenium	1.0✓	D010 <u>CLOSE 91</u>
p-Cresol	200.0✓	D025	• Silver	5.0✓	D011
HERBICIDE • 2,4-D	10.0	D016	• 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5✓	D027	Tetrachloroethylene	0.7✓	D039
1,2-Dichloroethane	0.5✓	D028	• Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7✓	D029	Trichloroethylene	0.5✓	D040
2,4-Dinitrotoluene	0.13✓	D030	2,4,5-Trichlorophenol	400.0✓	D041
PESTICIDE • Endrin	0.02	D012	2,4,6-Trichlorophenol	2.0✓	D042
PESTICIDE Heptachlor	0.008	D031	Vinyl chloride	0.2✓	D043

*-EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

TCLP Metals Analysis

Phillip Environmental

Project ID: MOI Boneyard
Sample ID: M8 - COMP - 1
Laboratory ID: 2889 *→ pipeline*
Sample Matrix: Soil

Date Reported: 04/03/98
Date Sampled: 03/11/98
Date Received: 03/12/98
Date TCLP: 03/12/98

Trace Metals

Arsenic.....	0.415	5.00
Barium.....	1.14	100
Cadmium.....	0.013	1.00
Chromium.....	0.043	5.00
Lead.....	0.028	5.00
Mercury.....	<0.001	0.20
Selenium.....	0.911	1.00
Silver.....	0.036	5.00

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

Comments:


Review

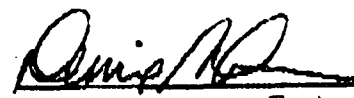
**Volatile Organic Compounds
EPA Method 8240****Philip Environmental**

Project ID: MOI Boneyard
Sample ID: M8 - COMP - 1
Lab ID: 2889 *to PIX Ave.*
Sample Matrix: Soil

Report Date: 04/03/98
Date Sampled: 03/11/98
Date Received: 03/12/98
Date TCLP'd: 03/14/98
Date Analyzed: 3/20-21/98

Benzene			<0.005
Carbon Tetrachloride			<0.005
Chlorobenzene			<0.005
Chloroform			<0.005
1,2 - Dichloroethane	(DCA)		<0.005
1,1 - Dichloroethylene	(DCE)		<0.005
Methyl Ethyl Ketone	(MEK)		<0.050
Tetrachloroethylene	(PCE)		<0.005
Trichloroethylene	(TCE)		<0.005
Vinyl Chloride			<0.010

Reference: Method 1311, Toxicity Characteristic Leaching Procedure; Method 8240, Volatile Organics By GC/MS; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.


Review

Extracted Organic Compounds
EPA Method 8270

Philip Environmental

Project ID: MOI Boneyard
Sample ID: MS - COMP - 1
Lab ID: 2889
Sample Matrix: Soil

Report Date: 04/03/98
Date Sampled: 03/11/98
Date Received: 03/12/98
Date TCLP'd: 03/14/98
Date Analyzed: 3/20-21/98

o - Cresol	<0.010
m,p - Cresol	<0.020
1,4 - Dichlorobenzene	<0.002
2,4 - Dinitrotoluene	<0.004
Hexachlorobenzene	<0.002
Hexachlorobutadiene	<0.003
Hexachloroethane	<0.003
Nitrobenzene	<0.002
Pentachlorophenol	<0.010
Pyridine	<0.010
2,4,5 - Trichlorophenol	<0.010
2,4,6 - Trichlorophenol	<0.003

Reference: Method 1311, Toxicity Characteristic Leaching Procedure; Method 8270, Semivolatile Organics By GC/MS; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.


Review

Quality Control Report

Philip Environmental

Date Reported 04/03/86

Arsenic	Spex 19	0.0094	0.010	0.009 - 0.011
Barium	Spex 19	5.30	5.00	4.50 - 5.50
Cadmium	Spex 19	1.00	1.00	0.90 - 1.10
Chromium	Spex 19	0.99	1.00	0.90 - 1.10
Lead	Spex 19	1.07	1.00	0.90 - 1.10
Mercury	ERA 9964	0.0028	0.0029	0.0021 - 0.0036
Selenium	Spex 19	0.021	0.020	0.018 - 0.022
Silver	Spex 7	1.86	2.00	1.80 - 2.20

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


Review

Volatile Organic Compounds
EPA Method 8240

Quality Control Report

Sample ID: Blank
Lab ID: NA

Date Analyzed: 03/20/96

Target Analyte / Compound		Concentration (mg/L)
Benzene		<0.005
Carbon Tetrachloride		<0.005
Chlorobenzene		<0.005
Chloroform		<0.005
1,2 - Dichloroethane	(DCA)	<0.005
1,1 - Dichloroethylene	(DCE)	<0.005
Methyl Ethyl Ketone	(MEK)	<0.005
Tetrachloroethylene	(PCE)	<0.005
Trichloroethylene	(TCE)	<0.005
Vinyl Chloride		<0.010

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	1,2-Dichloroethane-d4	83.2	70 - 121%
	Toluene-d8	100	81 - 117%
	Bromofluorobenzene	103	74 - 121%

Comment: Method Blank contained 0.257 ppb of methylene chloride, a common lab contaminant.

Reference: Method 1311, Toxicity Characteristic Leaching Procedure; Method 8240, Volatile Organics By GC/MS; Test Methods for Evaluating Solid Wastes, SW-846, U. S. Environmental Protection Agency, Final Update I, July, 1992.

Volatile Organic Compounds

EPA Method 8240

Quality Control Report

Sample ID: Spike
Lab ID: 96-03790-MEL

Date Analyzed: 03/20/96

Target Analyte	Spike Added (mg/kg)	Sample Concentration (mg/kg)	Spike Sample Concentration (mg/kg)	Percent Recovery	Acceptance Limits
Benzene	20.0	ND	20.3	102	66 - 142
Chlorobenzene	20.0	ND	19.5	98	60 - 133
1,1 - Dichloroethene	20.0	ND	20.2	101	59 - 172
Toluene	20.0	ND	20.5	102	59 - 139
Trichloroethene	20.0	ND	21.9	110	62 - 137

Sample ID: Spike Duplicate
Lab ID: 96-03790-MEL

Date Analyzed: 03/20/96

Target Analyte	Spike Added (mg/kg)	Spike Sample Concentration (mg/kg)	Spike Duplicate Concentration (mg/kg)	Percent Difference	Acceptance Limits
Benzene	20.0	20.3	20.2	0.49	66 - 142
Chlorobenzene	20.0	19.5	20.8	6.45	60 - 133
1,1 - Dichloroethene	20.0	20.2	18.5	8.79	59 - 172
Toluene	20.0	20.5	21.5	4.76	59 - 139
Trichloroethene	20.0	21.9	21.2	3.25	62 - 137

Extracted Organic Compounds
EPA Method 8270

Quality Control Report

Sample ID: Blank 3660 TCLP
Lab ID: NA

Date Analyzed: 03/20/96

Target Analyte	Concentration (mg/L)
o - Cresol	<0.010
m,p - Cresol	<0.020
1,4 - Dichlorobenzene	<0.002
2,4 - Dinitrotoluene	<0.004
Hexachlorobenzene	<0.002
Hexachlorobutadiene	<0.003
Hexachloroethane	<0.003
Nitrobenzene	<0.002
Pentachlorophenol	<0.010
Pyridine	<0.010
2,4,5 - Trichlorophenol	<0.010
2,4,6 - Trichlorophenol	<0.003

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Nitrobenzene - d5	59	23 - 120%
	2 - Fluorobiphenyl	52	30 - 115%
	Terphenyl - d14	73	18 - 137%
	2-Fluorophenol	44	25 - 121%
	Phenol - d6	30	24 - 113%
	2,4,6-Tribromophenol	61	19 - 122%

Reference: Method 1311, Toxicity Characteristic Leaching Procedure; Method 8270, Semivolatile Organics By GC/MS; Test Methods for Evaluating Solid Wastes, SW-846, U. S. Environmental Protection Agency, Final Update I, July, 1992.

**Extracted Organic Compounds
EPA Method 8270**

Quality Control Report

Sample ID:
Lab ID:

Blank 3660 TCLP
NA

Date Analyzed: 03/20/96

Target Analyte	Percent Recovery	Acceptance Range
o - Cresol	62	NE
m,p - Cresol	61	NE
1,4 - Dichlorobenzene	31	20 - 124
2,4 - Dinitrotoluene	81	39 - 139
Hexachlorobenzene	70	D - 152
Hexachlorobutadiene	17	24 - 116
Hexachloroethane	32	40 - 113
Nitrobenzene	80	35 - 180
Pentachlorophenol	22	14 - 176
Pyridine	17	NE
2,4,5 - Trichlorophenol	72	NE
2,4,6 - Trichlorophenol	69	37 - 144

Quality Control:	Surrogate	Percent Recovery	Acceptance Limits
	Nitrobenzene - d5	64	23 - 120%
	2 - Fluorobiphenyl	52	30 - 115%
	Terphenyl - d14	89	18 - 137%
	2-Fluorophenol	38	25 - 121%
	Phenol - d6	33	24 - 113%
	2,4,6-Tribromophenol	67	19 - 122%

Reference:

Method 1311, Toxicity Characteristic Leaching Procedure; Method 8270, Semivolatile Organics By GC/MS; Test Methods for Evaluating Solid Wastes, SW-846, U. S. Environmental Protection Agency, Final Update I, July, 1992.

**VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT****Method Blank Analysis**

Sample Matrix: Soil
Lab ID: MB35131

Report Date: 03/08/96
Date Extracted: 03/07/96
Date Analyzed: 03/07/96

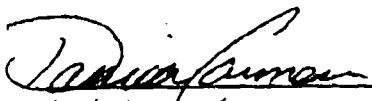
Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	15.0
Toluene	ND	15.0
Ethylbenzene	ND	15.0
m,p-Xylenes	ND	30.0
o-Xylene	ND	15.0

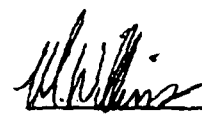
ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	103	81-117%
	Bromofluorobenzene	102	74-121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July 1992.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

Duplicate Analysis

Lab ID: 2823
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 03/08/96
Date Sampled: 03/06/96
Date Received: 03/07/96
Date Extracted: 03/07/96
Date Analyzed: 03/07/96

Target Analyte	Original Conc. (ug/kg)	Duplicate Conc. (ug/kg)	Acceptance Range (ug/kg)
Benzene	ND	ND	NA
Toluene	24.4	29.1	21.0 - 32.5
Ethylbenzene	13.9	17.1	9.30 - 21.7
m,p-Xylenes	34.2	37.1	NE
o-Xylene	14.4	14.3	0.00

ND - Analyte not detected at the stated detection limit.

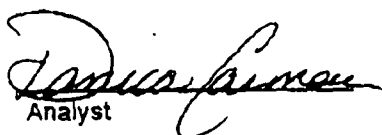
NA - Not applicable or not calculated.

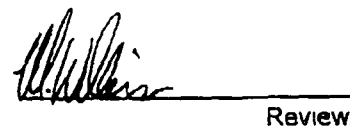
NE - Duplicate acceptance range not established by the EPA.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	104	81 - 117%
	Bromofluorobenzene	101	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics; Test Methods for Evaluating Solid Wastes, SW-846, United States Environmental Protection Agency, Final Update I, July, 1992.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Analysis

Lab ID: MB351313pk
Sample Matrix: Soil
Preservative: NA
Condition: NA

Report Date: 03/08/96
Date Sampled: NA
Date Received: NA
Date Extracted: 03/07/96
Date Analyzed: 03/07/96

Target Analyte	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spiked Sample Conc. (mg/kg)	% Recovery	Acceptance Limits (%)
Benzene	200	0.00	197	99%	39-150
Toluene	200	0.01	201	100%	32-160
Ethylbenzene	200	0.01	187	94%	46-148
m,p-Xylenes	400	0.01	402	100%	NE
o-Xylene	200	0.00	199	100%	NE

ND - Analyte not detected at the stated detection limit.

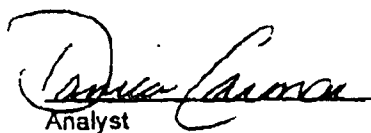
NA - Not applicable or not calculated.

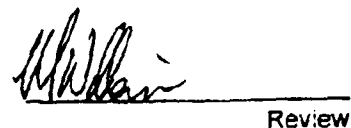
NE - Spike acceptance range not established by the EPA.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	100	81 - 117%
	Bromofluorobenzene	102	74 - 121%

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

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Duplicate Analysis

Lab ID: MB35131Spk
Sample Matrix: Extract Blank
Preservative: NA
Condition: NA

Report Date: 03/08/96
Date Sampled: NA
Date Received: NA
Date Extracted: 03/07/96
Date Analyzed: 03/07/96

Target Analyte	Spike Added (ug/kg)	Sample Spike Recovery (%)	Duplicate Spike Recovery (%)	Acceptance Limits (%)
Benzene	200	99%	100%	80 - 118
Toluene	200	100%	104%	83 - 122
Ethylbenzene	200	94%	99%	62 - 130
m,p-Xylenes	400	100%	104%	NE
o-Xylene	200	100%	102%	NE

ND - Analyte not detected at the stated detection limit.

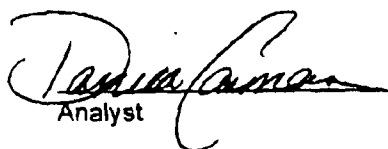
NA - Not applicable or not calculated.

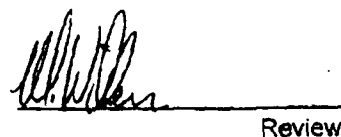
NE - Spike acceptance range not established by the EPA.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	103	81-117%
	Bromofluorobenzene	104	74-121%

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

**VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT****Method Blank Analysis**

Sample Matrix: Soil
Lab ID: MB35131

Report Date: 03/07/96
Date Extracted: 03/07/96
Date Analyzed: 03/07/96

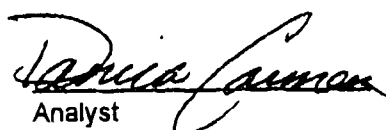
Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	15.0
Toluene	ND	15.0
Ethylbenzene	ND	15.0
m,p-Xylenes	ND	30.0
o-Xylene	ND	15.0

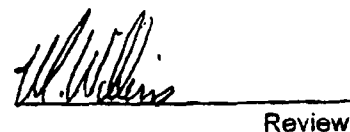
ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	103	81-117%
	Bromofluorobenzene	102	74-121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July 1992.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Duplicate Analysis

Lab ID: MB35131Spk
Sample Matrix: Extract Blank
Preservative: NA
Condition: NA

Report Date: 03/07/96
Date Sampled: NA
Date Received: NA
Date Extracted: 03/07/96
Date Analyzed: 03/07/96

Target Analyte	Spike Added (ng/kg)	Sample Spike Recovery (%)	Duplicate Spike Recovery (%)	Acceptance Limits (%)
Benzene	200	99%	100%	80 - 118
Toluene	200	100%	104%	83 - 122
Ethylbenzene	200	94%	99%	62 - 130
m,p-Xylenes	400	100%	104%	NE
o-Xylene	200	100%	102%	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.

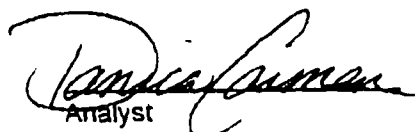
Quality Control:

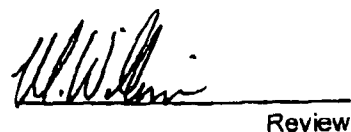
Surrogate	% Recovery	Acceptance Limits
Trifluorotoluene	103	81-117%
Bromofluorobenzene	104	74-121%

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

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Analysis

Lab ID: MB35131Spk
Sample Matrix: Soil
Preservative: NA
Condition: NA

Report Date: 03/07/96
Date Sampled: NA
Date Received: NA
Date Extracted: 03/07/96
Date Analyzed: 03/07/96

Target Analyte	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spiked Sample Conc. (mg/kg)	% Recovery	Acceptance Limits (%)
Benzene	200	0.00	197	99%	39-150
Toluene	200	0.01	201	100%	32-160
Ethylbenzene	200	0.01	187	94%	46-148
m,p-Xylenes	400	0.01	402	100%	NE
o-Xylene	200	0.00	199	100%	NE

ND - Analyte not detected at the stated detection limit.

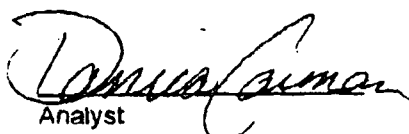
NA - Not applicable or not calculated.

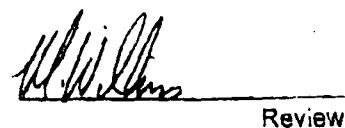
NE - Spike acceptance range not established by the EPA.

Quality Control:	Surrogate	% Recovery	Acceptance Limits
	Trifluorotoluene	100	81 - 117%
	Bromofluorobenzene	102	74 - 121%

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

**VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT****Method Blank Analysis**Sample Matrix:
Lab ID:Soil
MB35135Report Date:
Date Extracted:
Date Analyzed:03/12/96
03/11/96
03/11/96

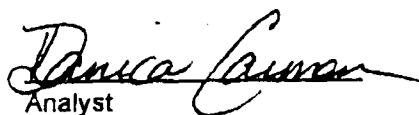
Target Analyte	Concentration (µg/kg)	Detection Limit (µg/kg)
Benzene	ND	25.0
Toluene	ND	25.0
Ethylbenzene	ND	25.0
m,p-Xylenes	ND	50.0
o-Xylene	ND	25.0

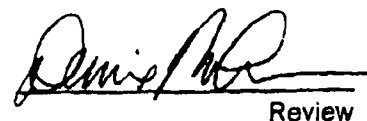
ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	99	81-117%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July 1992.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Analysis

Lab ID: MB35135Spk
Sample Matrix: Soil
Preservative: NA
Condition: NA

Report Date: 03/12/98
Date Sampled: NA
Date Received: NA
Date Extracted: 03/11/98
Date Analyzed: 03/11/98

Target Analyte	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spiked Sample Conc. (mg/kg)	% Recovery	Acceptance Limits (%)
Benzene	200	0.00	180	90%	39-150
Toluene	200	0.02	182	91%	32-160
Ethylbenzene	200	0.01	183	91%	46-148
m,p-Xylenes	400	0.02	364	91%	NE
o-Xylene	200	0.01	181	90%	NE

ND - Analyte not detected at the stated detection limit.

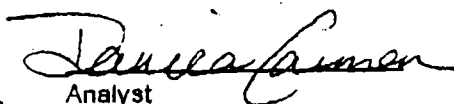
NA - Not applicable or not calculated.

NE - Spike acceptance range not established by the EPA.

Quality Control:	Surrogate	% Recovery	Acceptance Limits
	Trifluorotoluene	84	81 - 117%
	Bromofluorobenzene	100	74 - 121%

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

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Duplicate Analysis

Lab ID: MB351359pk
Sample Matrix: Extract Blank
Preservative: NA
Condition: NA

Report Date: 03/12/96
Date Sampled: NA
Date Received: NA
Date Extracted: 03/11/96
Date Analyzed: 03/11/96

Target Analyte	Spike Added (ug/kg)	Sample Spike Recovery (%)	Duplicate Spike Recovery (%)	Acceptance Limits (%)
Benzene	200	90%	87%	71 - 105
Toluene	200	91%	92%	74 - 109
Ethylbenzene	200	91%	91%	59 - 123
m,p-Xylenes	400	91%	91%	NE
o-Xylene	200	90%	91%	NE

ND - Analyte not detected at the stated detection limit.

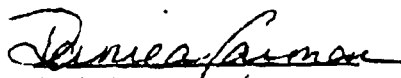
NA - Not applicable or not calculated.

NE - Spike acceptance range not established by the EPA.

Quality Control:	Surrogate	% Recovery	Acceptance Limits
	Trifluorotoluene	84	81-117%
	Bromofluorobenzene	104	74-121%

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

**VOLATILE AROMATIC HYDROCARBONS
QUALITY CONTROL REPORT****Method Blank Analysis**Sample Matrix:
Lab ID:Soil
MB35135Report Date:
Date Extracted:
Date Analyzed:03/12/96
03/11/96
03/11/96

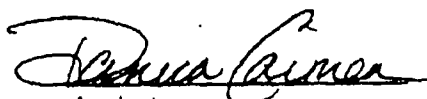
Target Analyte	Concentration (ug/kg)	Detection Limit (ug/kg)
Benzene	ND	25.0
Toluene	ND	25.0
Ethylbenzene	ND	25.0
m,p-Xylenes	ND	50.0
o-Xylene	ND	25.0

ND - Analyte not detected at the stated detection limit.

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	99	81-117%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July 1992.

Comments:


Analyst


Review

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Analysis

Lab ID: MB35135Spk
 Sample Matrix: Soil
 Preservative: NA
 Condition: NA

Report Date: 03/12/96
 Date Sampled: NA
 Date Received: NA
 Date Extracted: 03/11/96
 Date Analyzed: 03/11/96

Target Analyte	Spike Added (mg/kg)	Original Conc. (mg/kg)	Spiked Sample Conc. (mg/kg)	% Recovery	Acceptance Limits (%)
Benzene	200	0.00	180	90%	39-150
Toluene	200	0.02	182	91%	32-160
Ethylbenzene	200	0.01	183	91%	46-148
m,p-Xylenes	400	0.02	364	91%	NE
o-Xylene	200	0.01	181	90%	NE

ND - Analyte not detected at the stated detection limit.

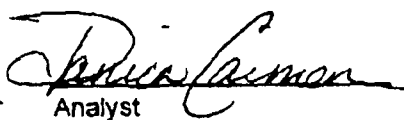
NA - Not applicable or not calculated.

NE - Spike acceptance range not established by the EPA.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	84	81 - 117%
	Bromofluorobenzene	100	74 - 121%

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

VOLATILE AROMATIC HYDROCARBONS

Matrix Spike Duplicate Analysis

Lab ID: MB35135Spk
Sample Matrix: Extract Blank
Preservative: NA
Condition: NA

Report Date: 03/12/96
Date Sampled: NA
Date Received: NA
Date Extracted: 03/11/96
Date Analyzed: 03/11/96

Target Analyte	Spike Added (ug/kg)	Sample Spike Recovery (%)	Duplicate Spike Recovery (%)	Acceptance Limits (%)
Benzene	200	90%	87%	71 - 105
Toluene	200	91%	92%	74 - 109
Ethylbenzene	200	91%	91%	59 - 123
m,p-Xylenes	400	91%	91%	NE
o-Xylene	200	90%	91%	NE

ND - Analyte not detected at the stated detection limit.

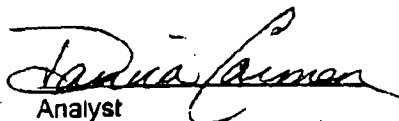
NA - Not applicable or not calculated.

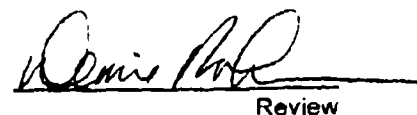
NE - Spike acceptance range not established by the EPA.

Quality Control:	<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	84	81-117%
	Bromofluorobenzene	104	74-121%

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

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96003-12

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator <u>EPFS</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Fac. Landfarm #2</u>	5. Originating Site <u>Chaco Pond</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	6. Transporter <u>Envirotech</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>New Mexico</u>
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. 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:

Pigging Solids; collected in lined pond

TCLP ATTACHED; generator was not sure that other non-exempt material may have not been added to waste stream.

LF2
Unit 5
C17

RECEIVED
AUG 12 1996

OIL CON. DIV.

Estimated Volume 20-40 cy Known Volume (to be entered by the operator at the end of the haul) 18 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-12-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: [Signature] TITLE: Dist Secy DATE: 8/13/96

APPROVED BY: [Signature] TITLE: Geologist DATE: 8-13-96

ENVIROTECH INC.

PRACTICAL SOLUTIONS TO ENVIRONMENTAL PROBLEMS

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Chaco Piggingshed Pit
Source: Piggings solids
Disposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for EL PASO FIELD SERVICES concur with the status of the waste from the subject site.

Name Ricky D. Cosby
Title/Agency EPFS
Compliance Specialist
Address P.O. Box 4990
Farmington, N.M.
Signature Ricky Cosby
Date 8-12-96

Chaco Piggling Lined Pit.

EPFS Sample ID. 960603

Env. Inc. CoC. # 4077

PH 6.9

Non-Ignitable

Non-Reactive.

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlor dane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	✓ 200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

*-EP Toxic wastes: TCI P must now be utilized for characterizing these wastes

Envirotech, Inc.

Practical Solutions For A Better Tomorrow

August 5, 1996

Mr. Rick Cosby - original
Mr. John Lambdin - copy
El Paso Field Services, Inc.
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 96003-12

Dear Rick and John,

Enclosed are the analytical results for the sample collected from the EPFS location designated as "Chaco Pigging Lined Pit". One soil sample was collected by EPFS personnel on July 10, 1996, and received by the Envirotech laboratory on July 10, 1996 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 4077 and assigned Laboratory No. A366 (EPFS No. 960603) for tracking purposes.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It is always a pleasure doing business with you, and sorry for the delay in getting these results to you.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler
Laboratory Manager

enc.

SWS\sws

96003-12.lb1

5796 U.S. Highway 64-3014 - Farmington, New Mexico 87401 - Tel 505-632-0615 - Fax 505-632-1865

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	El Paso Field Service Co.	Project #:	96003-12
Sample ID:	960603	Date Reported:	07-12-96
Lab ID#:	A366	Date Sampled:	07-10-96
Sample Matrix:	Soil	Date Received:	07-10-96
Preservative:	Cool	Date Analyzed:	07-12-96
Condition:	Cool & Intact	Chain of Custody:	4077

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 6.9

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

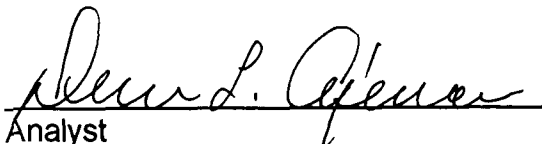
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

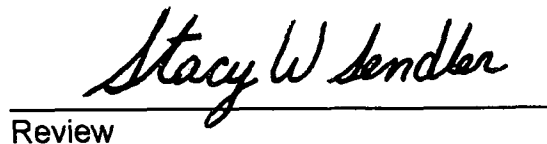
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Chaco Pigging Lined Pit.


Analyst


Review

Client:	El Paso Field Services Co.	Project #:	96003-12
Sample ID:	960603	Date Reported:	07-30-96
Laboratory Number:	A366	Date Sampled:	07-10-96
Chain of Custody:	4077	Date Received:	07-10-96
Sample Matrix:	Soil	Date Extracted:	07-23-96
Preservative:	Cool	Date Analyzed:	07-29-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0003	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.047	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

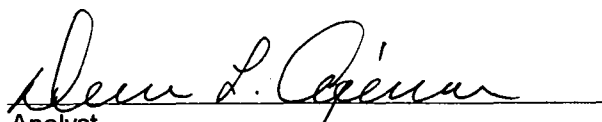
ND - Parameter not detected at the stated detection limit.

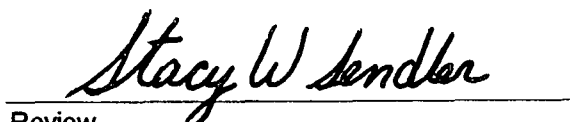
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Chaco Pigging Lined Pit.**


Analyst


Review

Client:	El Paso Field Services Co.	Project #:	96003-12
Sample ID:	960603	Date Reported:	08-05-96
Laboratory Number:	A366	Date Sampled:	07-10-96
Chain of Custody:	4077	Date Received:	07-10-96
Sample Matrix:	Soil	Date Extracted:	07-23-96
Preservative:	Cool	Date Analyzed:	07-31-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	97%
	2,4,6-Tribromophenol	95%

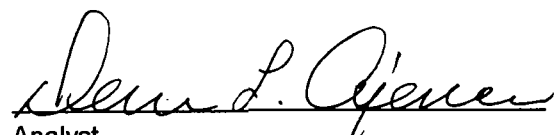
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

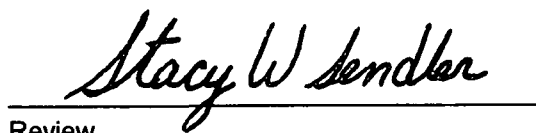
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Chaco Pigging Lined Pit.


Analyst


Review

Client:	El Paso Field Services Co.	Project #:	96003-12
Sample ID:	960603	Date Reported:	07-31-96
Laboratory Number:	A366	Date Sampled:	07-10-96
Chain of Custody:	4077	Date Received:	07-10-96
Sample Matrix:	Soil	Date Extracted:	07-23-96
Preservative:	Cool	Date Analyzed:	07-31-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

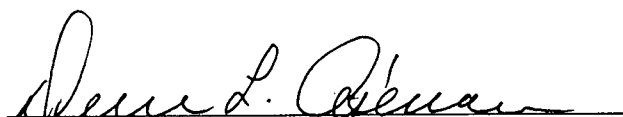
ND - Parameter not detected at the stated detection limit.

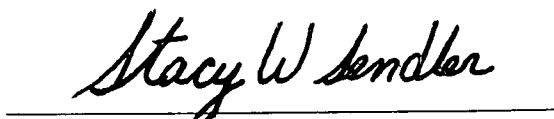
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Chaco Pigging Lined Pit.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	El Paso Field Services Co.	Project #:	96003-12
Sample ID:	960603	Date Reported:	08-05-96
Laboratory Number:	A366	Date Sampled:	07-10-96
Chain of Custody:	4077	Date Received:	07-10-96
Sample Matrix:	Soil	Date Analyzed:	08-01-96
Preservative:	Cool	Date Extracted:	07-23-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.013	0.001	5.00
Barium	1.32	0.01	100
Cadmium	0.013	0.001	1.00
Chromium	ND	0.001	5.00
Lead	ND	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

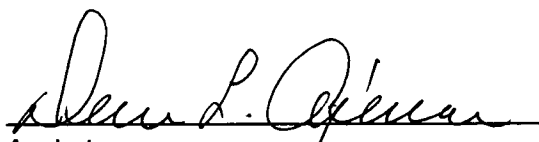
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

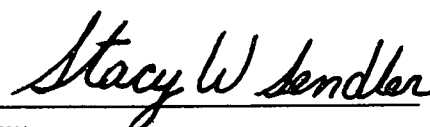
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Chaco Pigging Lined Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-30-96
Laboratory Number:	07-29-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-29-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0003	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

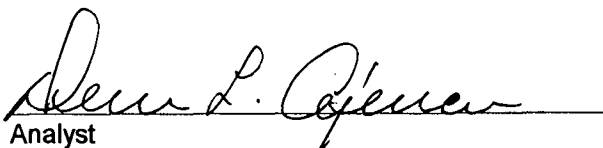
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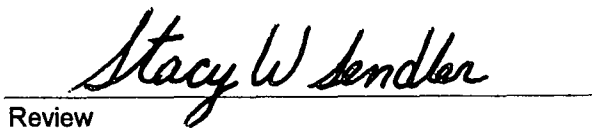
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-30-96
Laboratory Number:	07-23-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-29-96
Condition:	N/A	Date Extracted:	07-23-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0003	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

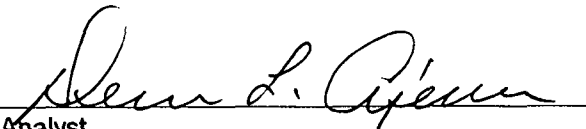
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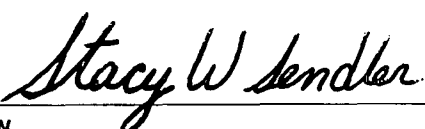
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

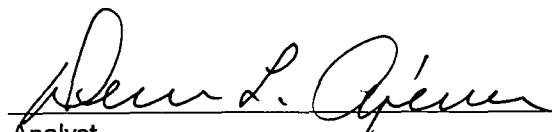
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-30-96
Laboratory Number:	A366	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-29-96
Condition:	N/A	Date Extracted:	07-23-96

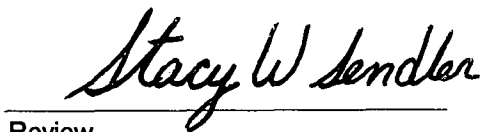
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0003	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.047	0.047	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A366.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

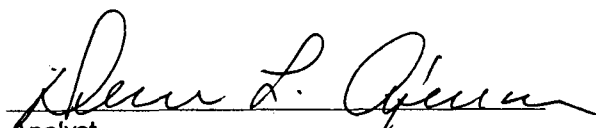
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	07-30-96
Laboratory Number:	A366	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-29-96
Condition:	N/A	Date Extracted:	07-23-96

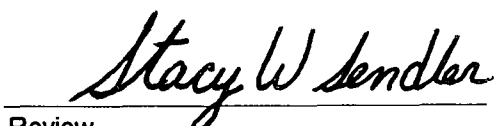
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0206	0.0001	95%	28-163
1,1-Dichloroethene	ND	0.020	0.0207	0.0003	100%	43-143
2-Butanone (MEK)	ND	0.020	0.0195	0.0001	97%	47-132
Chloroform	ND	0.020	0.0195	0.0001	97%	49-133
Carbon Tetrachloride	ND	0.020	0.0198	0.0001	96%	43-143
Benzene	0.047	0.020	0.0641	0.0001	96%	39-150
1,2-Dichloroethane	ND	0.020	0.0227	0.0001	98%	51-147
Trichloroethene	ND	0.020	0.0195	0.0003	98%	35-146
Tetrachloroethene	ND	0.020	0.0203	0.0005	99%	26-162
Chlorobenzene	ND	0.020	0.0202	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0219	0.0002	94%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A366.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-05-96
Laboratory Number:	07-31-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-31-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	97 %

References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-05-96
Laboratory Number:	07-23-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-96
Condition:	Cool & Intact	Date Analyzed:	07-31-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	95%

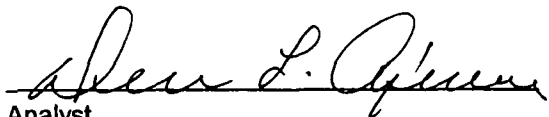
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

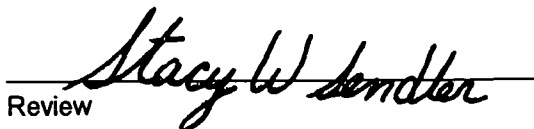
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-05-96
Laboratory Number:	A366	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-23-96
Condition:	Cool & Intact	Date Analyzed:	07-31-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

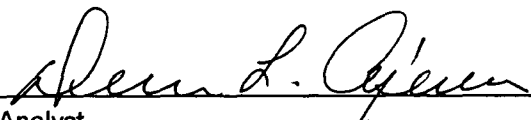
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

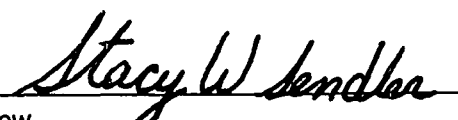
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report**

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 07-31-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 07-31-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 07-31-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

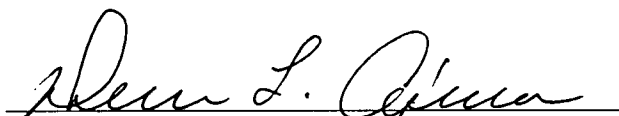
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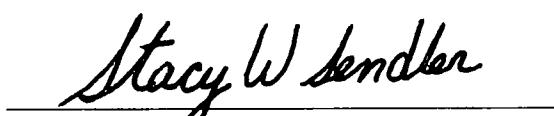
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	94%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 07-23-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 07-31-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 07-23-96
Date Analyzed: 07-31-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
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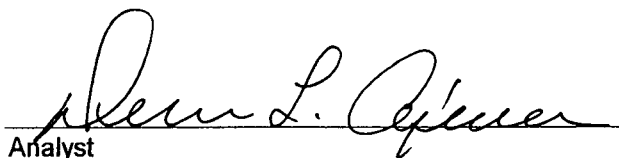
2-fluorobiphenyl

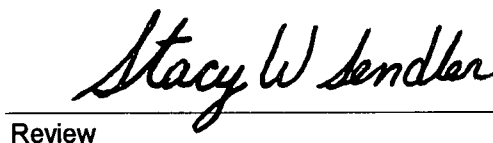
98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: A366
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 07-31-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 07-23-96
Date Analyzed: 07-31-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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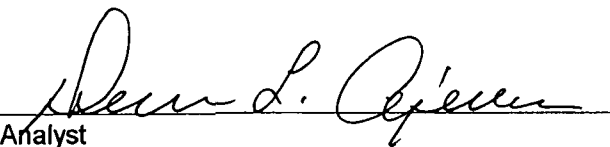
8090 Compounds

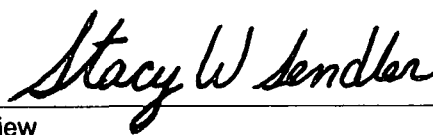
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A366.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	08-05-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-01-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

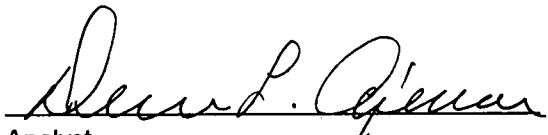
ND - Parameter not detected at the stated detection limit.

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for sample A366.**


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-05-96
Laboratory Number:	A366	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-01-96
Condition:	N/A	Date Extracted:	07-23-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.013	0.012	8.0%
Barium	1.32	1.40	5.9%
Cadmium	0.013	0.012	8.0%
Chromium	ND	ND	0.0%
Lead	ND	ND	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
----------------------------	-----------	--------------------

Trace Metals

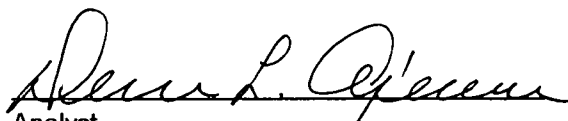
30 %

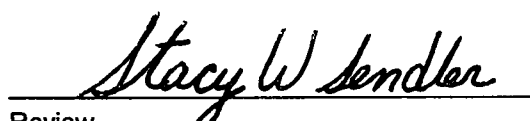
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A366.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	08-05-96
Laboratory Number:	A366	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-01-96
Condition:	N/A	Date Extracted:	07-23-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.013	0.112	99%
Barium	1.00	1.32	2.36	102%
Cadmium	0.050	0.013	0.062	98%
Chromium	0.050	ND	0.049	98%
Lead	0.100	ND	0.100	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.101	101%
Silver	0.050	ND	0.049	98%

ND - Parameter not detected at the stated detection limit.

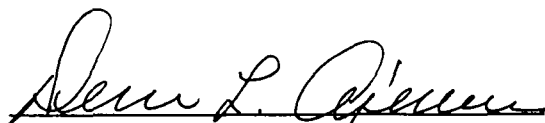
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

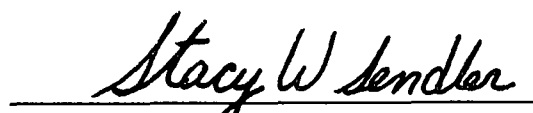
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A366.


Analyst


Review

san juan negro Form 578-81

FAXED
8/12/96

ENVIROTECH, INC.

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615 telephone
(505) 632-1865 fax

ENVIRONMENTAL SCIENTISTS

Date: 8-12-96

Total Pages Including Cover: 2

FaxNumber: 599-2119

To: RICKY COSBY

From: Harlan Brown

Comments: Please Complete the ATTACHED SCWS and
return via FAX & we'll START THRU OCD

TIX

HUBS

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: _____

Source: _____

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for _____
concur with the status of the waste from the subject site.

Name _____

Title/Agency _____

Address _____

Signature _____

Date _____

TRANSMISSION-JOURNAL

TIME : AUG 12 '96 09:39
 TEL NUMBER : 5056321865
 NAME : YOUNGENVIRONMENTAL

NBR	DATE	TIME	DURATION	PGS	TO	MODE	STATUS
541	AUG.02	06:31	01/24	02	713 996 9852	G3	OK
542	AUG.02	07:34	01/25	02	3346170	G3	OK
543	AUG.02	08:03	01/21	02	505 325 1950	G3	OK
544	AUG.02	08:41	01/45	03	602 375 7655	G3	OK
545	AUG.02	08:50	02/36	04	505 296 9509	G3	OK
546	AUG.02	09:00	02/29	04	6029219792	G3	OK
547	AUG.02	09:42	01/12	02	3257101	G3	OK
548	AUG.02	11:48	01/16	02	4053489615	G3	OK
549	AUG.02	13:05	04/04	07	3032882310	G3	NG 12
550	AUG.02	13:10	11/20	18	3032882310	G3	NG D0
551	AUG.02	13:40	01/08	01	4053489615	G3	OK
552	AUG.02	13:43	13/03	23	3032882310	G3	OK
553	AUG.02	14:45	00/41	01	3032882310	G3	OK
554	AUG.02	15:39	00/00	00	13032859602		OK 30
555	AUG.02	15:41	01/13	02	3032882310	G3	OK
556	AUG.05	12:29	01/18	02	5056329850	G3	OK
557	AUG.06	06:29	01/29	02	713 996 9852	G3	OK
558	AUG.06	09:42	01/23	02	9681289	G3	OK
559	AUG.06	14:36	04/01	06	+++++	G3	OK
560	AUG.06	15:04	02/58	05	803 236 2023	G3	OK
561	AUG.07	14:08	04/41	03	CRESTOUTSOURCING	G3	OK
562	AUG.07	14:33	01/19	02	713 996 9852	G3	OK
563	AUG.07	14:39	01/12	01	STACY	G3	OK
564	AUG.07	16:01	24/16	42	6022540688	G3	OK
565	AUG.08	06:41	07/12	08	15053684144	G3	OK
566	AUG.08	07:48	00/00	00	18003227929		50
567	AUG.08	08:15	03/41	05	13207322067	G3	OK
568	AUG.08	10:38	00/50	01	CRESTOUTSOURCING	G3	OK
569	AUG.08	12:05	00/54	01	+1 970 565 9182	G3	OK
570	AUG.08	12:16	00/52	01	3032882310	G3	OK
571	AUG.08	12:50	01/19	02	713 996 9852	G3	OK
572	AUG.08	15:19	02/00	03	915058270310	G3	OK
573	AUG.08	16:03	01/59	03	1 405 7499110	G3	OK
574	AUG.08	16:07	01/58	03	505 884 9254	G3	OK
575	AUG.08	16:11	01/20	02	15056639960	G3	OK
576	AUG.09	11:52	01/21	02	15056639960	G3	OK
577	AUG.09	12:38	01/11	01	CRESTOUTSOURCING	G3	OK
578	AUG.10	11:14	01/57	03	915058270310	G3	OK
579	AUG.12	06:48	01/46	03	5055643073	G3	OK
580	AUG.12	09:38	01/15	02	5055992119	G3	OK

District I - (505) 393-6161
P.O. Box 1989
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-13
Originated 8/85

Submit Origin
Plus 1 Copy
to appropriate
District Office

Env JN: 95008

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator <u>TIDEWATER COMPRESS</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>AZTEC YARD</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	6. Transporter <u>ENVIROTECH</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>New Mexico</u>
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. 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.	<u>1125 US HWY 550 Farmington, New Mexico 87410</u>

BRIEF DESCRIPTION OF MATERIAL:

Wash bag Solids; Continuation of Dried Solids or solids in Fresh water Suspension.
TCLP ATTACHED.

Never hauled

RECEIVED
AUG 1 2 1996
OIL CON. DIV.
DIST. 3

RECEIVED
AUG - 1 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-1-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Dennis G. Feint TITLE: Geologist DATE: 8/1/96
APPROVED BY: Roger Chandler TITLE: Bureau Chief DATE: 8/5/96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Roswell, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 95008

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator TIDEWATER Compression 5. Originating Site AZTEC YARD
2. Management Facility Destination Envirotech Soil Remediation Fac. Landfarm #2	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	1125 USHWY 550 Farmington, New Mexico 87410
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. 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:

Wash bay Solids; a continuation of Dried Solids or solids in Fresh water Suspension.
TCLP ATTACHED.

RECEIVED
AUG - 1 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-1-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Faint TITLE: Geologist DATE: 8/1/96
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Tidewater Compression Service, 1125 43 HWY 550, A-2 TEC

Source: Semi-Solid Waste Box Solids

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Tidewater
concur with the status of the waste from the subject site.

Name Tidewater Compression
Title/Agency Shop Manager

Address P.O. Box 280
Flora Vista N.M. 87415

Signature [Signature]

Date 8-1-96

ENVIROTECH Inc.

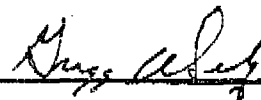
UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

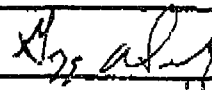
Signed



Date of TCLP

Name Tidewater CompressionTitle/Agency 1125 US Hwy 550Address Artes N.M. 87410

Signature



Date

8-1-96

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Tidewater Compression	Project #:	95008
Sample ID:	Wash Bay Sludge	Date Reported:	08-08-95
Lab ID#:	8769	Date Sampled:	08-03-95
Sample Matrix:	Sludge	Date Received:	08-03-95
Preservative:	Cool	Date Analyzed:	08-04-95
Condition:	Cool & Intact	Chain of Custody:	4319

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 8.13

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

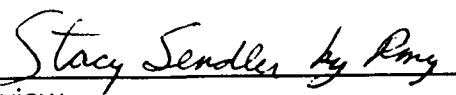
CORROSIVITY: pH < 2 or pH > 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 1125 U.S. Hwy 550, Aztec, NM.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Tidewater Compression	Project #:	95008
Sample ID:	Wash Bay Sludge	Date Reported:	08-07-95
Laboratory Number:	8769	Date Sampled:	08-03-95
Chain of Custody:	4319	Date Received:	08-03-95
Sample Matrix:	Sludge	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-07-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

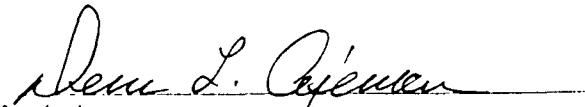
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 1125 US Hwy 550, Aztec, NM.


Analyst


Review

Client:	Tidewater Compression	Project #:	95008
Sample ID:	Wash Bay Sludge	Date Reported:	08-09-95
Laboratory Number:	8769	Date Sampled:	08-03-95
Chain of Custody:	4319	Date Received:	08-03-95
Sample Matrix:	Sludge	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	95%

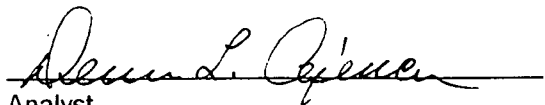
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

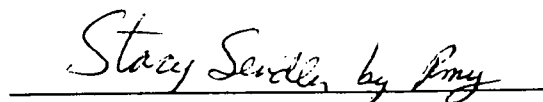
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 1125 US Hwy 550, Aztec, NM.


Analyst


Review

Client:	Tidewater Compression	Project #:	95008
Sample ID:	Wash Bay Sludge	Date Reported:	08-09-95
Laboratory Number:	8769	Date Sampled:	08-03-95
Chain of Custody:	4319	Date Received:	08-03-95
Sample Matrix:	Sludge	Date Extracted:	08-03-95
Preservative:	Cool	Date Analyzed:	08-08-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

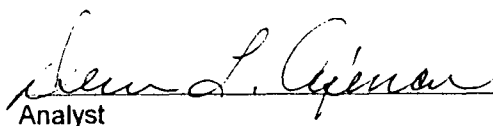
ND - Parameter not detected at the stated detection limit.

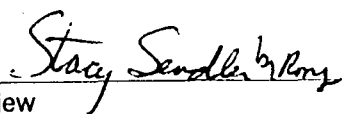
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	103%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 1125 US Hwy 550, Aztec, NM.


Analyst


Review

Client:	Tidewater Compression	Project #:	95008
Sample ID:	Wash Bay Sludge	Date Reported:	08-11-95
Laboratory Number:	8769	Date Sampled:	08-03-95
Chain of Custody:	4319	Date Received:	08-03-95
Sample Matrix:	Sludge	Date Analyzed:	08-10-95
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.006	0.001	5.00
Barium	4.61	0.01	100
Cadmium	0.084	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.035	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	0.005	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

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

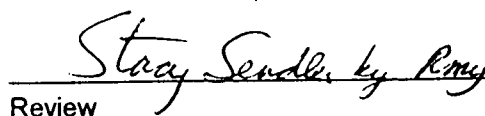
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 1125 US Hwy 550, Aztec, NM.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-07-95
Laboratory Number:	08-07-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

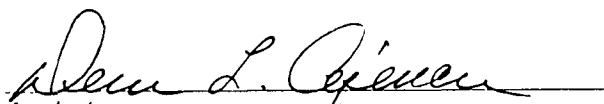
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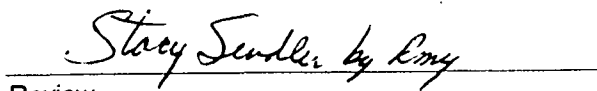
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	101%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-07-95
Laboratory Number:	08-03-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-07-95
Condition:	N/A	Date Extracted:	08-03-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0009	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0005	7.5

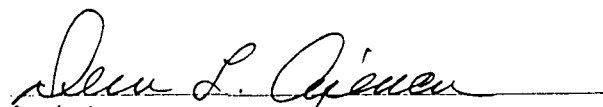
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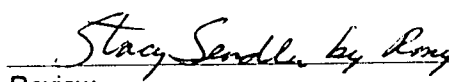
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	103%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

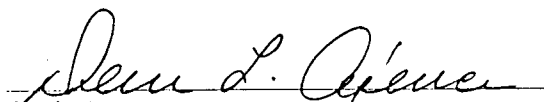
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-07-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-07-95
Condition:	N/A	Date Extracted:	08-03-95

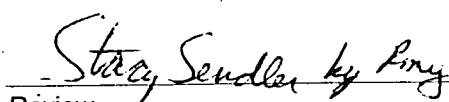
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0009	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0005	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 8769
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

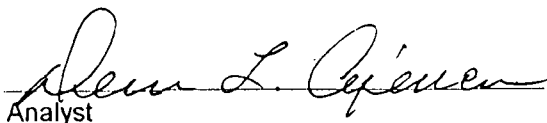
Project #: N/A
Date Reported: 08-07-95
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 08-07-95
Date Extracted: 08-03-95

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0199	0.0002	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0203	0.0002	101%	43-143
2-Butanone (MEK)	ND	0.020	0.0198	0.0001	93%	47-132
Chloroform	ND	0.020	0.0198	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0203	0.0001	102%	43-143
Benzene	ND	0.020	0.0205	0.0001	102%	39-150
1,2-Dichloroethane	ND	0.020	0.0205	0.0001	102%	51-147
Trichloroethene	ND	0.020	0.0202	0.0001	98%	35-146
Tetrachloroethene	ND	0.020	0.0208	0.0009	102%	26-162
Chlorobenzene	ND	0.020	0.0210	0.0001	105%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0198	0.0005	97%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review



Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-09-95
Laboratory Number:	08-09-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-09-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	94 %

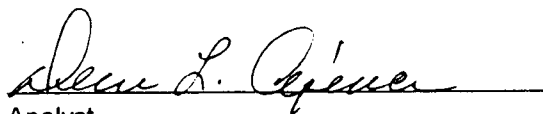
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-09-95
Laboratory Number:	08-03-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Date Analyzed:	08-09-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	105%

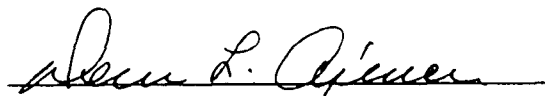
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

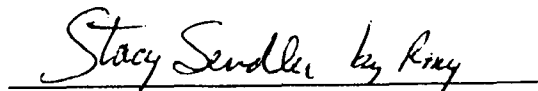
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report
Matrix Duplicate**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-09-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-03-95
Condition:	Cool & Intact	Date Analyzed:	08-09-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

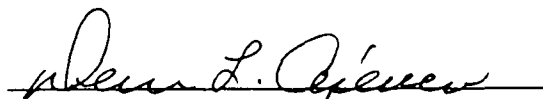
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

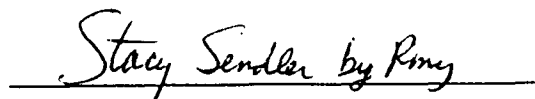
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-09-95
Laboratory Number:	08-08-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	08-08-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

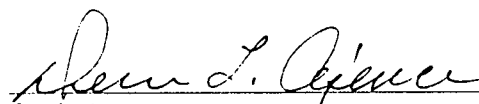
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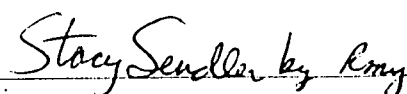
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	103%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 08-03-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 08-09-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-03-95
Date Analyzed: 08-08-95
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

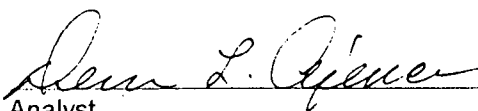
QA/QC Acceptance Criteria	Parameter	Percent Recovery
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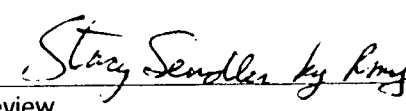
2-fluorobiphenyl 102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 8769
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 08-08-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-03-95
Date Analyzed: 08-08-95
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

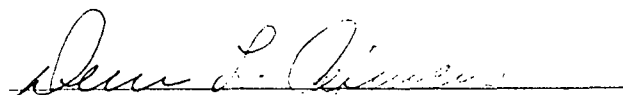
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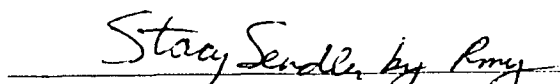
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	08-11-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-10-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

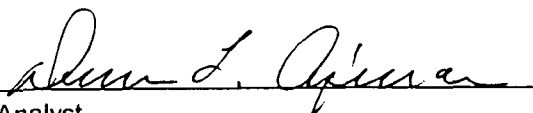
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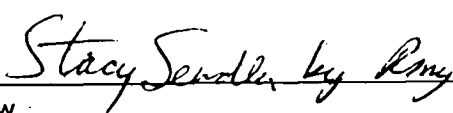
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-11-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	08-10-95
Condition:	N/A	Date Extracted:	08-03-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.006	0.006	0.0%
Barium	4.61	4.70	1.9%
Cadmium	0.084	0.082	2.4%
Chromium	ND	ND	0.0%
Lead	0.035	0.036	2.8%
Mercury	ND	ND	0.0%
Selenium	0.005	0.005	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

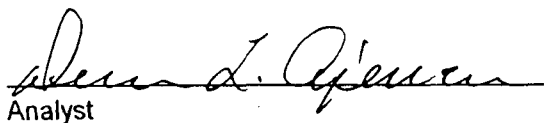
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

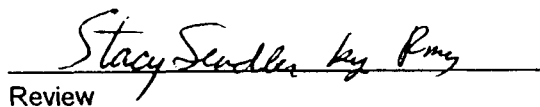
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	08-11-95
Laboratory Number:	8769	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-10-95
Condition:	N/A	Date Extracted:	08-03-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.006	0.106	100%
Barium	1.00	4.61	5.51	98%
Cadmium	0.100	0.084	0.184	100%
Chromium	0.100	ND	0.099	99%
Lead	0.100	0.035	0.135	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	0.005	0.105	100%
Silver	1.0	ND	1.0	100%

ND - Parameter not detected at the stated detection limit.

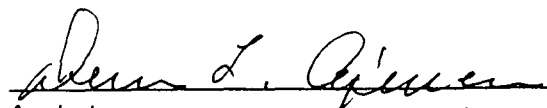
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

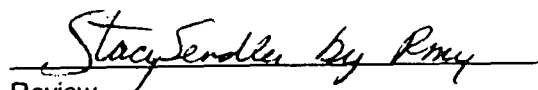
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for samples 8767 - 8769.


Analyst


Review

CHAIN OF CUSTODY RECORD

san juan repro Form 578-81

Director I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
Director II - (505) 748-1283
811 S. First
Artesia, NM 88210
Director III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
Director IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 92142-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 2. Management Facility Destination: Envirotech Soil Remediation Facility Landfarm #2 3. Address of Facility Operator: 5796 U.S. Highway 64 Farmington, NM 87401 7. Location of Material (Street Address or ULSTR): 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. 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.	4. Generator: PESCO 5. Originating Site: PESCO Main Road 6. Transporter: ENVIROTECH 8. State: New Mexico 5680 US HWY 64 Farmington, New Mexico 87401
--	--

BRIEF DESCRIPTION OF MATERIAL:

Continuation of solid waste generated from the cleaning and refurbishing of production storage equipment, separators, dehydrators, and other production equipment.

NOTE: Water from tank that collects solids was spilled when tank was being cleaned. This material (soil around tank) is to be cleaned up as well.

RECEIVED
AUG 12 1996

Estimated Volume: 10-20 cy Known Volume: (to be entered by the operator at the end of the haul) 20 cy

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent
TITLE: Landfarm Manager
DATE: 8-12-96
TYPE OR PRINT NAME: Harlan M. Brown
TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Faint TITLE: Geologist DATE: 8/19/96
APPROVED BY: Ernie Busch TITLE: Geologist DATE: 8/19/96

ENVIROTECH INC.

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTEOriginating Location: Peace Main yard, 5600 45 Hwy 64, Farmington, N.M.Source: Sludge Generated from cleaning & refurbishing Production Storage Tanks, Separator
Dehydrators and other Production Equipment.Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby
certify that this waste is an oilfield production
exempt waste as defined by the Environmental Protection
Agency's (EPA) July 1988 Regulatory Determination.
Additionally, to my knowledge, no non-exempt waste that
is a "hazardous or listed waste" pursuant to the
provisions of 40 CFR, Part 261, Subparts C and D, has
been added or mixed with the exempt waste so as to make
the resultant mixture a "hazardous waste" pursuant to
the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Process Equipment & Service Co.
concur with the status of the waste from the subject site.

Name Blake Wallace
Title/Agency General ManagerAddress 1400 Hwy 64
Farmington, N.M. 87401Signature Blake WallaceDate 8/12/96



Process Equipment & Service Company, Inc.

5680 U.S. HIGHWAY 64 • 87401 / P.O. BOX 929 • 87499
FARMINGTON, NEW MEXICO
PHONE: (505) 327-2222 • FAX: (505) 327-7660

Tuesday, August 13, 1996

Robert M. Young
ENVIROTECH INC.
5796 US Hwy. 64-3014
Farmington, NM 87401

Dear Robert:

Per our conversation of Friday, August 9, 1996, PESCO has approximately 10 to 20 cubic yards of contaminated soil at our plant that we need disposed. This soil has been contaminated with exempt oily solids from tanks, separators and other production equipment, and oily wash water generated from cleaning the above listed equipment.

This soil does not have any "non exempt" material, i.e. solvents, motor oil, fuels, detergents, etc., mixed in with the exempt material. We are applying to have this soil disposed of as exempt waste. This is the same exempt waste that has been approved for disposal by the Oil Conservation Division in the past per a letter dated October 17, 1995.

If you have any questions, please call.

Sincerely,

Blake Wallace
Service Manager

Office I - (505) 393-6161
Box 1980
Albuquerque, NM 88241-1980
Office II - (505) 748-1283
S. First
Albuquerque, NM 88210
Office III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
Office IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

96003-10

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>EPFS</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Linnith Plant Yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility</u> <u>Land Farm #2</u>	6. Transporter <u>Bar 37</u>
3. Address of Facility Operator <u>5796 Hwy 64, Farmington</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 18, T24N, R5W</u>
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. 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:

Clean up of soil contamination AROUND Former Compressor
Building Foundation
TCLP ATTACHED.

LF 2
units

RECEIVED
JUL 11 1996

OIL CON. DIV.
DIST. 3

RECEIVED
JUL 08 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 1000+ cy Known Volume (to be entered by the operator at the end of the haul) 3368 cy

SIGNATURE: Harlan M. Brown TITLE: Land Farm Manager DATE: 7-3-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 505-632-0615

This space for State Use

APPROVED BY: Denny G. Fort TITLE: Geologist DATE: 7/8/96
CS TITLE: GEOLOGIST DATE: 7/9/96

FAXED
7-5-96
15:15 HMB

ENVIROTECH, INC.

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615 telephone
(505) 632-1865 fax

RECEIVED
JUL 08 1996

OIL CON. DIV
DIST. 3

ENVIRONMENTAL SCIENTISTS

Date: 7-5-96

Total Pages Including Cover: 26

FaxNumber: 505-827-8177

To: Roger ANDERSON

From: HARLAN BROWN

Comments: Roger; please expedite this project if possible.

Thanks for you help
Harlan.

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
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New Mexico
Energy Minerals and Natural Resources Department
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Santa Fe, New Mexico 87505
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Form C-138
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Submit Original
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District Office

96003-10

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>EPFS</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Linnorth Plant Yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility</u> <u>Land Farm #2</u>	6. Transporter <u>Bar 37</u>
3. Address of Facility Operator <u>5796 Hwy 64, Farmington</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 18, T24N, R5W</u>
9. <u>Circle One:</u> 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. 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:

Clean up of soil contamination around Former Compressor Building Foundation
TCLP ATTACHED.

RECEIVED
JUL 08 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 1000+ cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Land Farm Manager DATE: 7-3-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Henry G. Fount TITLE: Geologist DATE: 7/8/96
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

Originating Location: UNDRITH PLANT YARD (SEC 18 T24N R5W)
Source: SOIL CONTAMINATION AROUND FORMER COMPRESSOR BUILDING FOUNDATION
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the EL PASO FIELD SERVICES
concur with the status of the waste from the subject site.

Name Sandra D. Miller

Title/Agency Superintendent
EPFS

Address P.O. Box 4990

FARMINGTON NM 87499

Signature Sandra D. Miller

Date 1/21/96

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 2, 1996

Roger Anderson
Environmental Bureau Chief
New Mexico Oil Conservation Division
2040 South Pacheco
Santa Fe, New Mexico 87505

Re: Receipt of non-exempt petroleum hydrocarbon soils without analysis at Envirotech's
Landfarm#2

Dear Roger:

El Paso Field Services is in the process of site cleanup and soil remediation projects at several of their compressor facilities in the San Juan Basin. These cleanups typically involve several waste streams. One of the sites is at the Lindrith Compressor Station, Section 18, T24N, R5W in Rio Arriba County. There are currently three projects active at this site. Some confusion has developed in the field as to what has been approved by the NMOCD for shipment. Two of the projects have approval by the NMOCD as of July 22, 1996. The third project involving cleanup of non-exempt oilfield waste (motor and compressor oils) is currently underway without NMOCD approval. To complicate matters an Environmental Compliance Engineer from El Paso Field Services who may have been involved in the project has recently left EPFS. We have sorted out the problem with the assistance of Sandra Miller, Superintendent, El Paso Environmental Compliance.

A soil sample was delivered to Envirotech's laboratory for analysis on June 26, 1996. Results are expected either July 3 or 5, 1996. The trucking operation has been shut down, pending analytical results. Soils that have already been received have been flagged to note their exact location in the event that the TCLP results fail. Loads in transit were returned to the Lindrith Compressor Station. Please note that El Paso Field Services Personnel have been extremely cooperative in sorting through this project.

Envirotech personnel, the Philip Environmental Project Manager, and El Paso Field Services Compliance Engineers have all been briefed on the need to be very specific in identifying the originating location and waste stream process for various types of contaminated media.

If you have questions or comments regarding this incident please feel free to contact us at (505)632-0615.

Sincerely,



Harlan M. Brown
Landfarm Manager, Staff Geologist

cc: Denny Foust, NMOCD, 1000 Rio Brazos Rd, Aztec, NM 87410

Envirotech, Inc.

Practical Solutions For A Better Tomorrow

July 5, 1996

Mr. John Lambdin
El Paso Field Services, Inc.
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 96003-10

Dear John,

Enclosed are the analytical results for the sample collected from the EPFS location designated as "Lindrith Plant Yard". One soil composite sample was collected by EPFS personnel on June 26, 1996, and received by the Envirotech Laboratory on June 27, 1996 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 4076 and assigned Laboratory No. A287 (EPFS No. 960569) for tracking purposes.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615. It is always a pleasure doing business with you.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler

Laboratory Manager

enc.

SWS\sws

96003-10.lb1

5796 U.S. Highway 64-3014 - Farmington, New Mexico 87401 - Tel 505-632-0615 - Fax 505-632-1865

EL PASO Field Services
 Lindorith Plant YARD Cleanup
 E.P.S. LAB No. 960569

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE ✓ Chlordane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

*-EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	El Paso Field Service	Project #:	98003-10
Sample ID:	960569	Date Reported:	07-01-96
Lab ID#:	A287	Date Sampled:	06-26-96
Sample Matrix:	Soil	Date Received:	06-27-96
Preservative:	Cool	Date Analyzed:	07-01-96
Condition:	Cool & Intact	Chain of Custody:	4076

Parameter	Result
-----------	--------

IGNITABILITY: Did not Ignite upon direct contact with flame.

CORROSIVITY: pH of 7.18

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

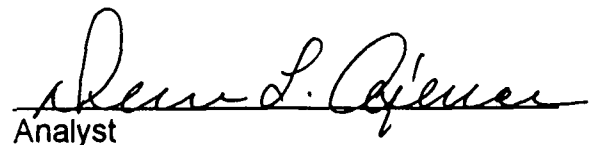
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

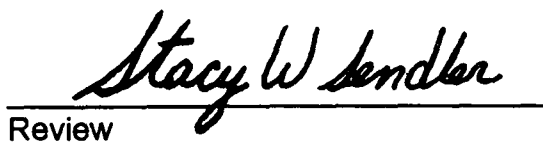
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Lindrith Plant Yard. Soil Composite.


Analyst


Review

Client:	El Paso Field Service	Project #:	98003-10
Sample ID:	980569	Date Reported:	07-02-96
Laboratory Number:	A287	Date Sampled:	06-26-96
Chain of Custody:	4076	Date Received:	06-27-96
Sample Matrix:	Soil	Date Extracted:	07-01-96
Preservative:	Cool	Date Analyzed:	07-02-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0004	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0007	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

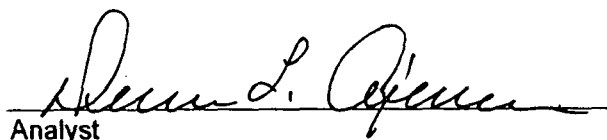
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Lindrith Plant Yard. Soil Composite.


Analyst


Review

Client:	El Paso Field Service	Project #:	96003-10
Sample ID:	960569	Date Reported:	07-02-96
Laboratory Number:	A287	Date Sampled:	06-26-96
Chain of Custody:	4076	Date Received:	06-27-96
Sample Matrix:	Soil	Date Extracted:	07-01-96
Preservative:	Cool	Date Analyzed:	07-02-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	99%

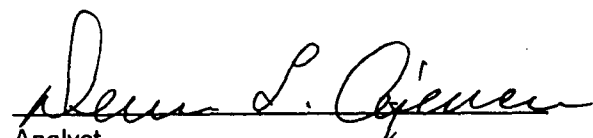
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

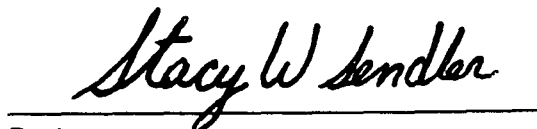
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Lindrith Plant Yard. Soil Composite.


Analyst


Review

Client:	El Paso Field Service	Project #:	96003-10
Sample ID:	960569	Date Reported:	07-02-96
Laboratory Number:	A287	Date Sampled:	06-26-96
Chain of Custody:	4076	Date Received:	06-27-96
Sample Matrix:	Soil	Date Extracted:	07-01-96
Preservative:	Cool	Date Analyzed:	07-02-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.085	0.13

ND - Parameter not detected at the stated detection limit.

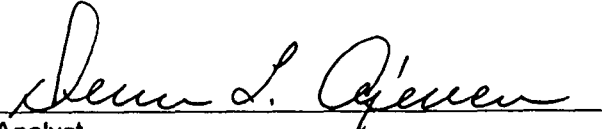
QA/QC Acceptance Criteria	Parameter	Percent Recovery
---------------------------	-----------	------------------

2-fluorobiphenyl	98%
------------------	-----

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Lindrith Plant Yard. Soil Composite.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	El Paso Field Service	Project #:	96003-10
Sample ID:	960569	Date Reported:	07-03-96
Laboratory Number:	A287	Date Sampled:	06-26-96
Chain of Custody:	4076	Date Received:	06-27-96
Sample Matrix:	Soil	Date Analyzed:	07-03-96
Preservative:	Cool	Date Extracted:	07-01-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.017	0.001	5.00
Barium	4.05	0.01	100
Cadmium	0.012	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.007	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	0.004	0.001	5.0

ND - Parameter not detected at the stated detection limit.

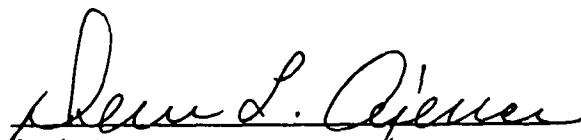
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Lindrith Plant Yard. Soil Composite.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-02-96
Laboratory Number:	07-02-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0004	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0007	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

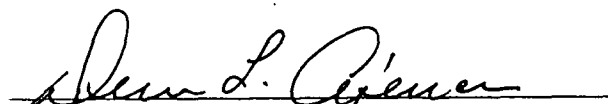
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-02-96
Laboratory Number:	07-01-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-96
Condition:	N/A	Date Extracted:	07-01-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0004	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0007	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

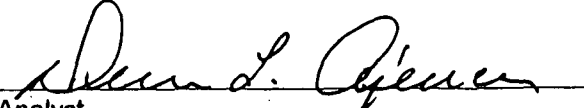
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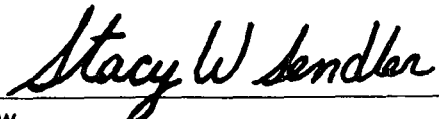
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

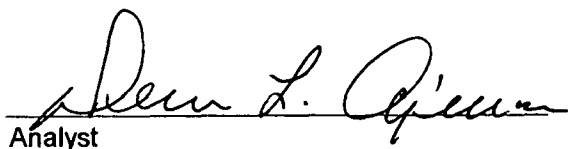
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Sample ID:	Matrix Duplicate	Date Reported:	07-02-96
Laboratory Number:	A287	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-02-96
Condition:	N/A	Date Extracted:	07-01-96

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0004	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0004	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0007	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A287.


Analyst


Review

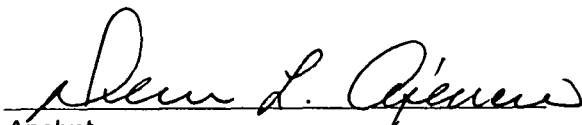
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	07-02-96
Laboratory Number:	A287	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-02-96
Condition:	N/A	Date Extracted:	07-01-96

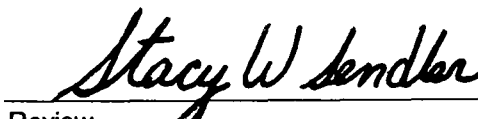
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0215	0.0004	95%	28-163
1,1-Dichloroethene	ND	0.020	0.0213	0.0002	98%	43-143
2-Butanone (MEK)	ND	0.020	0.0194	0.0001	97%	47-132
Chloroform	ND	0.020	0.0195	0.0004	97%	49-133
Carbon Tetrachloride	ND	0.020	0.0190	0.0001	95%	43-143
Benzene	ND	0.020	0.0191	0.0001	96%	39-150
1,2-Dichloroethane	ND	0.020	0.0198	0.0001	99%	51-147
Trichloroethene	ND	0.020	0.0194	0.0003	97%	35-146
Tetrachloroethene	ND	0.020	0.0201	0.0007	98%	26-162
Chlorobenzene	ND	0.020	0.0199	0.0003	98%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0206	0.0002	95%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A287.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-02-96
Laboratory Number:	07-02-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	95 %
	2,4,6-tribromophenol	99 %

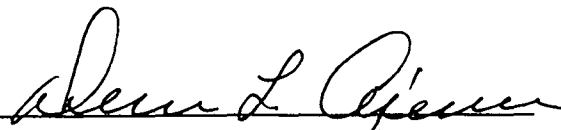
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

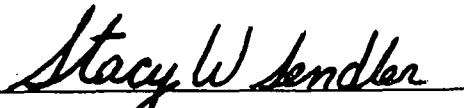
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-02-96
Laboratory Number:	07-01-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-01-96
Condition:	Cool & Intact	Date Analyzed:	07-02-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	101%

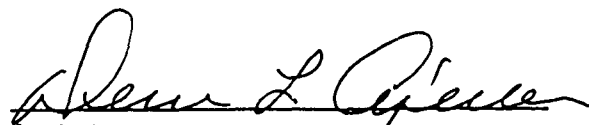
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

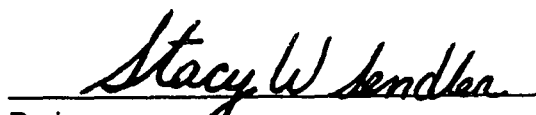
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-02-96
Laboratory Number:	A287	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-01-96
Condition:	Cool & Intact	Date Analyzed:	07-02-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

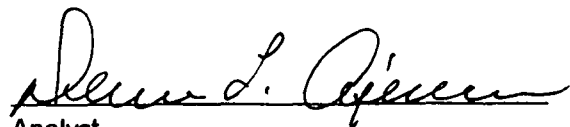
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	07-02-96
Laboratory Number:	07-02-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	07-02-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.085	0.13

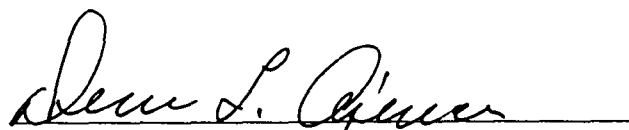
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	07-02-96
Laboratory Number:	07-01-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	07-01-96
Condition:	Cool and Intact	Date Analyzed:	07-02-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.085	0.13

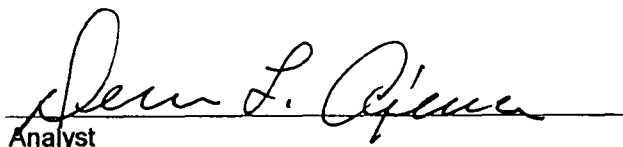
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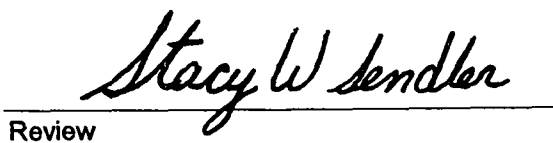
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-02-96
Laboratory Number:	A287	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	07-01-96
Condition:	N/A	Date Analyzed:	07-02-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.085

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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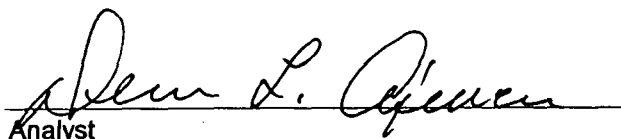
8090 Compounds

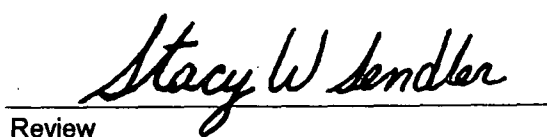
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A287.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	07-03-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-03-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

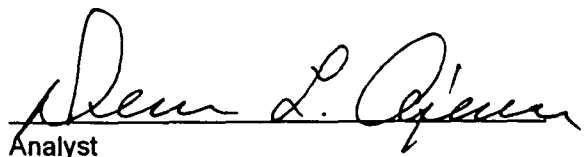
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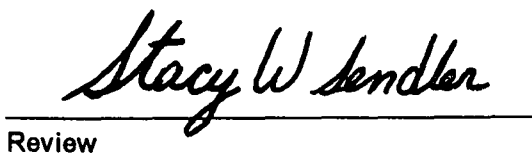
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A287.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	07-03-96
Laboratory Number:	A287	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-03-96
Condition:	N/A	Date Extracted:	07-01-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.017	0.017	0.0%
Barium	4.05	3.98	1.7%
Cadmium	0.012	0.012	0.0%
Chromium	ND	ND	0.0%
Lead	0.007	0.007	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	0.004	0.004	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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Trace Metals

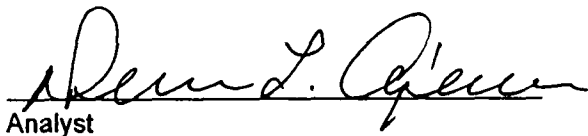
30 %

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A287.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	07-03-96
Laboratory Number:	A287	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	07-03-96
Condition:	N/A	Date Extracted:	07-01-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.017	0.117	100%
Barium	1.00	4.05	5.06	100%
Cadmium	0.050	0.012	0.062	100%
Chromium	0.100	ND	0.099	99%
Lead	0.100	0.007	0.107	100%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.098	98%
Silver	0.050	0.004	0.055	102%

ND - Parameter not detected at the stated detection limit.

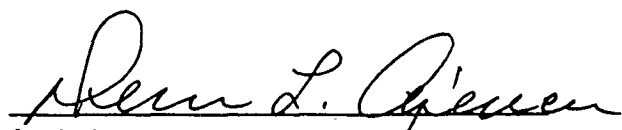
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A287.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name JOHN LAMBORN			Project Location LINDRITH STATION		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>Jennie Bird</i>			Chain of Custody Tape No. 96003-10		No. of Containers 1	TCUP METALS X	TCUP ORGANICS X	REACTIVITY X	IGNITIBILITY X	CORROSIVITY X		Remarks
Sample No./ Identification 960569	Sample Date 6-26-96	Sample Time 1537	Lab Number A287	Sample Matrix SOIL								
Relinquished by: (Signature) <i>Jennie Bird</i>			Date 6-27-96	Time 1427	Received by: (Signature) <i>Don S. O'Brien</i>			Date 6-27-96	Time 1427			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

see back page Form 628-01

Box 1980
NM 88241-1980
(505) 748-1283
S. First
NM 88210
(505) 334-6178
Rio Brazos Road
NM 87410
(505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

95007

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Coastal Chemical</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Bulk Yard</u>
2. Management Facility Destination <u>ENVIROTECH Soil Remediation Facility LAND FARM #2</u>	6. Transporter <u>Coastal Chemical</u>
3. Address of Facility Operator <u>5796 U.S. Hwy 64</u>	8. State <u>New Mexico</u>
Location of Material (Street Address or ULSTR)	<u>#10 County Road 5911</u> <u>FARMINGTON, N.M. 87401</u>
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. 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:

Over fill of Bulk Storage Tank for motor oil. Free oil squeezed and picked up for normal use. Residual oil picked up with floor sweep and drummed. Drummed material to go to Landfarm #2.

MSDS ATTACHED.

RECEIVED
JUL 08 1996

RECEIVED
JUL 11 1996

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

Estimated Volume 1/2 drum cy Known Volume (to be entered by the operator at the end of the haul) 1661 cy

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: 7-3-96

PE OR PRINT NAME: HARLAN M. BROWN

TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Dennis G. Furst

TITLE: Geologist

DATE: 7/8/96

APPROVED BY: [Signature]

TITLE: Geologist

DATE: 7/11/96

District I - (505) 393-6161
P.O. Box 1989
Hobbs, NM 88241-1980
District II - (505) 748-1283
311 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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7. Location of Material (Street Address or ULSTR)	<u>#10 County Road 5911</u> <u>FARMINGTON, N.M. 87401</u>
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Over fill of Bulk Storage Tank for motor oil. Free oil squeezed and picked up for normal use. Residual oil picked up with floor sweep and drummed. Drummed material to go to Landfarm #2.
MSDS ATTACHED.

RECEIVED
JUL 08 1996

OIL CON. DIV.

Estimated Volume 1/2 drum cy Known Volume (to be entered by the operator at the end of the haul) DIST 3 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 7-3-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny J. Fout TITLE: Geologist DATE: 7/8/96

APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIALOriginating Location: Coastal Chemical Co., #10 CR 5911, Farmington NM. 87401Source: TANK FARMDisposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Coastal Chemical Co Inc concur with the status of the waste from the subject site.

Name Michael Reams
Title/Agency Facility Manager
Address #10 CR 5911
Farmington NM. 87401
Signature Michael Reams
Date 7-2-96

Material Safety Data Sheet
Material Safety Data Sheet

CHEVRON
CHEVRON

Page 1 of 7

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Gas Engine Oil 541 SAE 15W-40

PRODUCT NUMBER(S): CPS235458

COMPANY IDENTIFICATION

Chevron USA Products Company
Environmental, Safety, and Health
Room 2900
575 Market St.
San Francisco, CA 94105-2856

EMERGENCY TELEPHONE NUMBERS

HEALTH (24 hr): (800)231-0623 or
(510)231-0623 (International)
TRANSPORTATION (24 hr): CHEMTREC
(800)424-9300 or (202)483-7616

PRODUCT INFORMATION: MSDS Requests: (800) 228-3500

Environmental, Safety, & Health Info: (415) 894-1899
Product Information: (800) 582-3835

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 x CHEVRON Gas Engine Oil 541 SAE 15W-40

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
------------	--------	-----------	-------------

LUBRICATING BASE OIL CONTAINING ONE OR MORE OF THE FOLLOWING
> 85.0%

SOLVENT REFINED DIST., HVY PAR

Chemical Name: DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC
CAS64741884

5 mg/m3 (mist)	ACGIH TWA
10 mg/m3 (mist)	ACGIH STEL
5 mg/m3 (mist)	OSHA PEL

SOLVENT DEWAXED DIST., HVY PAR

Chemical Name: DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
CAS64742650

5 mg/m3 (mist)	ACGIH TWA
----------------	-----------

Revision Number: ??

Revision Date: 01/11/95

MSDS Number: 004701

NDA - No Data Available

NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard
(29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology

10 mg/m3 (mist) ACGIH STEL
5 mg/m3 (mist) OSHA PEL

ADDITIVES

< 15.0%

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5 mg/m3, the OSHA PEL is 5 mg/m3.

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix f Categories	() - Change Has Been Proposed

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE:

This substance is not expected to cause prolonged or significant eye irritation. This hazard evaluation is based on the known toxicity of the ingredients in this substance.

SKIN:

This substance is not expected to cause prolonged or significant skin irritation. The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. This hazard evaluation is based on the known toxicity of the ingredients in this substance.

INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. This hazard evaluation is based on data from similar materials.

INHALATION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled. Prolonged or repeated breathing of petroleum oil mist can cause respiratory irritation. This hazard evaluation is based on data from similar materials.

SIGNS AND SYMPTOMS OF EXPOSURE:

INHALATION: Respiratory tract irritation may include, but may not be limited to, one or more of the following: nasal discharge, sore throat, coughing, bronchitis, pulmonary edema and difficulty in breathing.

4. FIRST AID MEASURES

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 3 of 7

EYE:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN:

No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

INHALATION:

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: COC 406F (208C) Min.

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

FIRE FIGHTING INSTRUCTIONS:

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire document.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (202)483-7616

ACCIDENTAL RELEASE MEASURES:

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and

appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

HANDLING AND STORAGE:

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA .. No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 4 of 7

DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. CAUTION! Do not use pressure to empty drum or drum may rupture with explosive force. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:

No special eye protection is usually necessary.

SKIN PROTECTION:

No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

RESPIRATORY PROTECTION:

No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

ENGINEERING CONTROLS:

Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

Pale, lemon yellow liquid.

pH:	NDA
VAPOR PRESSURE:	NA
VAPOR DENSITY	
(AIR=1):	NA
BOILING POINT:	NDA
FREEZING POINT:	NDA
MELTING POINT:	NA
SOLUBILITY:	Soluble in hydrocarbon solvents; insoluble in water.
SPECIFIC GRAVITY:	0.88 @ 15.6/15.6C
EVAPORATION RATE:	NA

VISCOSITY: 0 cSt @ 100C (Min.)
PERCENT VOLATILE
(VOL): NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004781
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 5 of 7

No data available.

INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

No product toxicology data available. The hazard evaluation was based on data on the components.

SKIN EFFECTS:

No product toxicology data available. The hazard evaluation was based on data on the components.

ACUTE ORAL EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ACUTE INHALATION EFFECTS:

No product toxicology data available. The hazard evaluation was based on data from similar materials.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been

shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. See Chevron Material Safety Data Sheet No. 1793 for additional information on used motor oil.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

No data available.

ENVIRONMENTAL FATE:

This material is not expected to present any environmental problems other than those associated with oil spills.

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 884701
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 6 of 7

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Oil collection services and collection centers are available for used motor oil recycling or disposal. Some service stations, automotive service centers, and retailers provide motor oil collection facilities.

Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NOT DESIGNATED AS A HAZARDOUS MATERIAL BY THE
FEDERAL DOT
DOT HAZARD CLASS: NOT APPLICABLE
DOT IDENTIFICATION NUMBER: NOT APPLICABLE
DOT PACKING GROUP NOT APPLICABLE

15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects:	NO
2. Delayed (Chronic) Health Effects:	NO
3. Fire Hazard:	NO
4. Sudden Release of Pressure Hazard:	NO
5. Reactivity Hazard:	NO

REGULATORY LISTS SEARCHED:

01=SARA 313	11=NJ RTK	22=TSCA Sect 5(a)(2)
02=MASS RTK	12=CERCLA 302.4	23=TSCA Sect 6
03=NTP Carcinogen	13=MN RTK	24=TSCA Sect 12(b)
04=CA Prop 65-Carcin	14=ACGIH TWA	25=TSCA Sect 8(a)
05=CA Prop 65-Repro Tox	15=ACGIH STEL	26=TSCA Sect 8(d)
06=IARC Group 1	16=ACGIH Calc TLV	27=TSCA Sect 4(a)
07=IARC Group 2A	17=OSHA PEL	28=Canadian WHMIS
08=IARC Group 2B	18=DOT Marine Pollutant	29=OSHA CEILING
09=SARA 302/304	19=Chevron TWA	30=Chevron STEL
10=PA RTK	20=EPA Carcinogen	

The following components of this material are found on the regulatory

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA - No Data Available NA - Not Applicable
CHEVRON Gas Engine Oil 541 SAE 15W-40 Page 7 of 7

lists indicated.

DISTILLATES, SOLVENT-REFINED HEAVY PARAFFINIC
is found on lists: 14,15,17,
DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC
is found on lists: 14,15,17,

16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0;
(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are
obtained using the guidelines or published evaluations prepared by the
National Fire Protection Association (NFPA) or the National Paint and
Coating Association (for HMIS ratings).

REVISION STATEMENT:
Changes have been made throughout this Material Safety Data Sheet.
Please read the entire document.

The above information is based on the data of which we are aware and is

believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Number: 2 Revision Date: 01/11/95 MSDS Number: 004701
NDA - No Data Available NA - Not Applicable

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NM 88241-1980
(505) 748-1283
S. First
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New Mexico
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Form C-138

Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HALLIBURTON ENERGY SERVICES</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>4109 E. Main St. Main Yard</u>
2. Management Facility Destination <u>ENVIROTECH Soil Remediation Facility LANDFARM #2</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 HWY 64, FARMINGTON</u>	8. State <u>New Mexico</u>
Location of Material (Street Address or ULSTR)	<u>4109 E. Main St. Farmington, N.M. 87401</u>
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. 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:

Continuation of WEST BAY SOLIDS

TCLP ATTACHED.

None hauled - dry months

RECEIVED
JUL 15 1996

RECEIVED
JUL 03 1996

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

Estimated Volume 20-24 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: LANDFARM MANAGER DATE: 7-3-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 505-632-0615

This space for State Use)

APPROVED BY: Denny S. Fount TITLE: Geologist DATE: 7/3/96

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Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Main Yard 4109 E. Main.</u>
2. Management Facility Destination <u>ENVIROTECH Soil Remediation Facility LANDFARM #2</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>5796 HWY 64, FARMINGTON</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E. Main St.</u> <u>Farmington, N.M. 87401</u>
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BRIEF DESCRIPTION OF MATERIAL:

Continuation of waste BAT SOLIDS

TCLP ATTACHED.

RECEIVED
JUL 03 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20-24 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: LANDFARM MANAGER DATE: 7-3-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN. TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 7/3/96
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: 4109 W. MAIN ST. FARMINGTON, NM

Source: WASH BAY SOLIDS

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for HALLIBURTON ENERGY SERVICES concur with the status of the waste from the subject site.

Name RJ GREENAKER
Title/Agency SERVICE EQUIP. OP.

Address 4109 E. MAIN ST.
FARMINGTON, NM

Signature RJ Greenaker

Date July 3, 1996

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Signed RJ Greenaker
Date of TCLP OCT 4, 1995
Name RJ GREENAKER
Title/Agency CUSTOMER SERVICE OP
Address 4109 E. MAIN ST
FARMINGTON, NM
Signature RJ Greenaker
Date JULY 3, 1996

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Lab ID#:	9148	Date Sampled:	10-04-95
Sample Matrix:	Soil	Date Received:	10-04-95
Preservative:	Cool	Date Analyzed:	10-04-95
Condition:	Cool & Intact	Chain of Custody:	4508

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 5.46

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

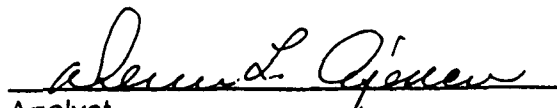
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-09-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

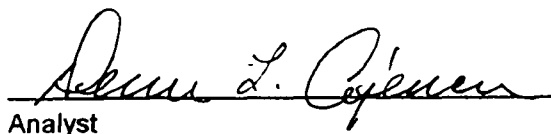
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

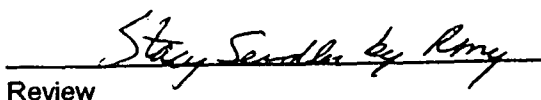
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Extracted:	10-04-95
Preservative:	Cool	Date Analyzed:	10-06-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

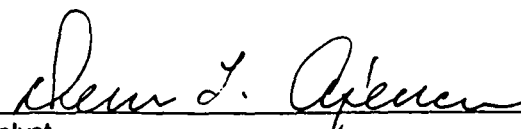
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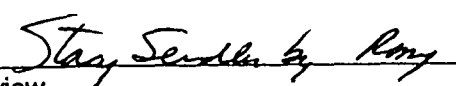
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	10-04-95
Chain of Custody:	4508	Date Received:	10-04-95
Sample Matrix:	Soil	Date Analyzed:	10-11-95
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.40	0.01	100
Cadmium	0.011	0.001	1.00
Chromium	0.017	0.001	5.00
Lead	0.343	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

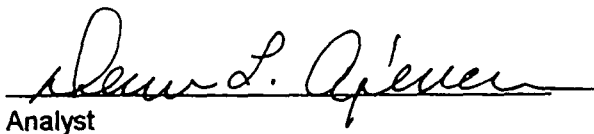
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

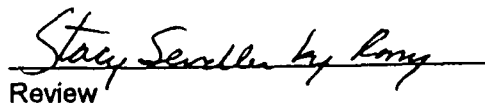
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-06-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

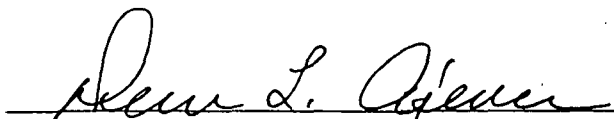
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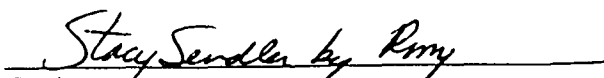
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	Bromofluorobenzene	95%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

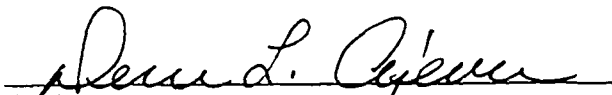
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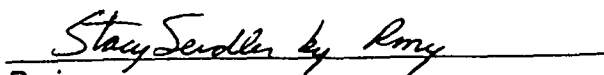
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

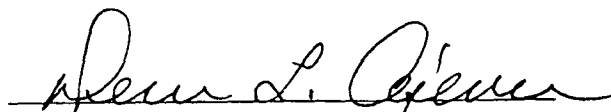
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

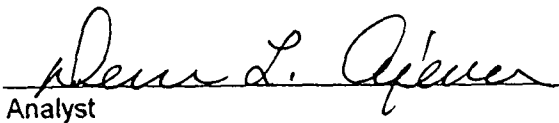
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-06-95
Condition:	N/A	Date Extracted:	10-04-95

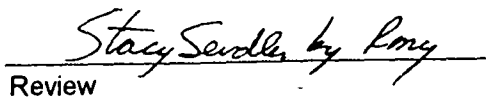
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0194	0.0002	94%	28-163
1,1-Dichloroethene	ND	0.020	0.0204	0.0002	100%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0001	98%	47-132
Chloroform	ND	0.020	0.0202	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0199	0.0001	98%	43-143
Benzene	ND	0.020	0.0196	0.0001	98%	39-150
1,2-Dichloroethane	ND	0.020	0.0200	0.0001	100%	51-147
Trichloroethene	ND	0.020	0.0202	0.0003	100%	35-146
Tetrachloroethene	ND	0.020	0.0198	0.0002	99%	26-162
Chlorobenzene	ND	0.020	0.0199	0.0001	98%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0199	0.0001	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9148.


Analyst


Review

Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-10-95
Laboratory Number:	10-09-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-09-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	99 %

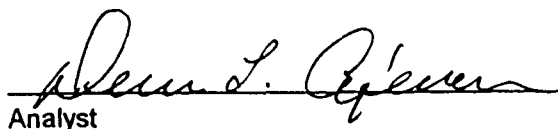
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

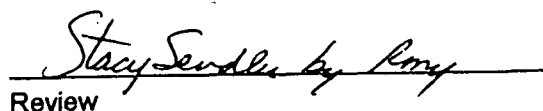
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-10-95
Laboratory Number:	10-04-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.021	2.0
2,4,5-Trichlorophenol	ND	0.021	400
Pentachlorophenol	ND	0.160	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

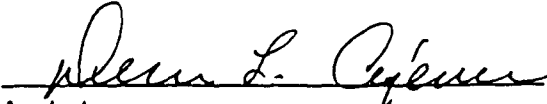
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

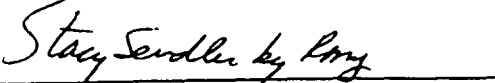
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-04-95
Condition:	Cool & Intact	Date Analyzed:	10-09-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.021	0.0%
2,4,5-Trichlorophenol	ND	ND	0.021	0.0%
Pentachlorophenol	ND	ND	0.160	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

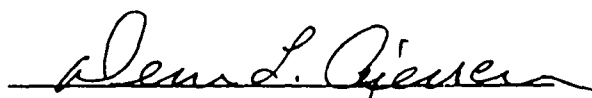
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

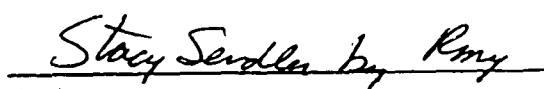
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 10-06-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-10-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 10-06-95
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.024	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

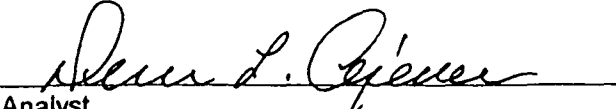
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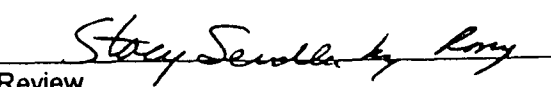
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-10-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	10-04-95
Condition:	N/A	Date Analyzed:	10-06-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.024
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
---------------------------	-----------	--------------------

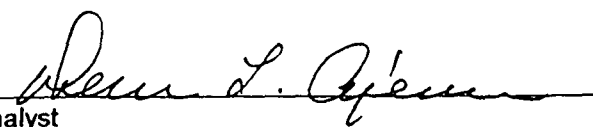
8090 Compounds

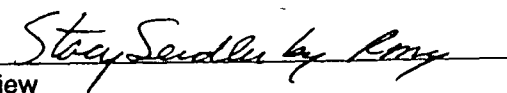
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9148.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	10-11-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

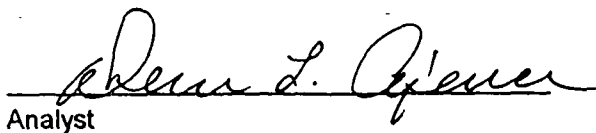
ND - Parameter not detected at the stated detection limit.

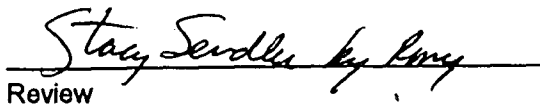
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.40	1.42	1.4%
Cadmium	0.011	0.011	0.0%
Chromium	0.017	0.016	6.1%
Lead	0.343	0.341	0.6%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

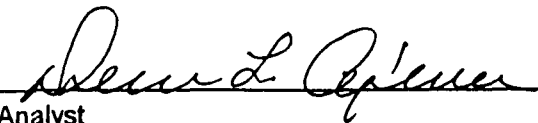
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

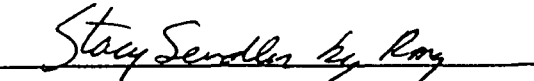
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

A METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	10-11-95
Laboratory Number:	9148	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-11-95
Condition:	N/A	Date Extracted:	10-04-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.099	99%
Barium	1.00	1.40	2.39	100%
Cadmium	0.100	0.011	0.111	100%
Chromium	0.100	0.017	0.117	100%
Lead	0.100	0.343	0.444	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.100	100%
Silver	1.0	ND	0.99	99%

ND - Parameter not detected at the stated detection limit.

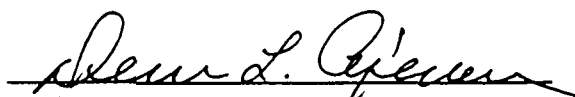
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

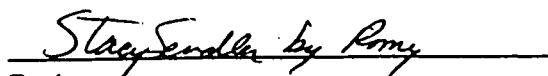
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9148, 9171 and 9206.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Halliburton</i>			Project Location <i>4109 E Main fmt. N.M.</i>		ANALYSIS/PARAMETERS							
Sampler (Signature) <i>[Signature]</i>			Chain of Custody Tape No. <i>92132</i>		No. of Containers <i>1</i>	<i>TCL Pw/10 P/A</i>	<i>PCA</i>					Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>Wash bay Solids</i>	<i>10/4/95</i>	<i>11:15</i>	<i>9148</i>	<i>Soil</i>								
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>10/4/95</i>	Time <i>11:40</i>			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

1 - (505) 393-6161
1980
NM 88210
III - (505) 334-6178
Rio Brazos Road
NM 87410
IV - (505) 827-7131

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

RECEIVED Form C-138
Originated 8/8/95
JUL 15 1996
Environmental Bureau
Oil Conservation Division
Submit Original
Plus 1 Copy
to appropriate
District Office
Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <i>Giant Crude Terminal CINZA, Bloomfield</i>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <i>A/A</i>
Management Facility Destination <i>Envirotech Soil Remediation Fac. Landfarm #2</i>	6. Transporter <i>Envirotech</i>
Address of Facility Operator <i>5796 U.S. Highway 64 Farmington, NM 87401</i>	8. State <i>NM</i>
Location of Material (Street Address or ULSTR) <i>Giant Crude Term. CINZA, Bloomfield.</i>	

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.
- 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.

DEFINITION OF MATERIAL:

COMPOSITE #1
Petroleum Hydrocarbon Contaminated Soil mixed with
Tank bottoms.

LF2
E18-C16

RECEIVED
JUL 15 1996

RECEIVED
JUL 17 1996

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

Estimated Volume *± 2 - indeterminate* cy Known Volume (to be entered by the operator at the end of the haul) *200* cy

NATURE: *Harlan M. Brown*
Waste Management Facility Authorized Agent

TITLE: *Landfarm Manager*

DATE: *7/12/96*

PRINT NAME: *Harlan M. Brown*

TELEPHONE NO. *(505) 632-0615*

(This space for State Use)

PROVED BY: *Dennis G. Fent*

TITLE: *Geologist*

DATE: *7/15/96*

PROVED BY: *[Signature]*

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/93

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <i>Giant Crude Terminal CINZA, Bloomfield</i>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <i>A/A</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>Envirotech</i>
3. Address of Facility Operator <i>5796 U.S. Highway 64 Farmington, NM 87401</i>	8. State <i>NM</i>
7. Location of Material (Street Address or ULSTR) <i>Giant Crude Term. CINZA, Bloomfield</i>	
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. 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:

*COMPOSITE #1
Petroleum Hydrocarbon Contaminated Soil mixed with
Tank bottoms.*

RECEIVED
JUL 15 1996

OIL CON. DIV.
DIST. 3

Estimated Volume *~ 2 - indeterminate* cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Manager* DATE: *7/12/96*
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: *Harlan M. Brown* TELEPHONE NO. *(505) 632-0615*

(This space for State Use)

APPROVED BY: *Denny G. Faint* TITLE: *Geologist* DATE: *7/15/96*
APPROVED BY: _____ TITLE: _____ DATE: _____

5056321865 YOUNGENVIRONMENTAL

434 P02

JUL 12 '96 09:46

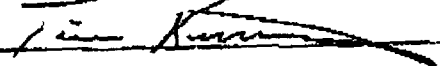
ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL**Originating Location:** Giant Industries' Bloomfield Station**Source:** Petroleum hydrocarbon contaminated sand and soil mixed with tank bottoms and screened to remove paraffins and hydrocarbon solids**Disposal Location:** Envirotech Soil Remediation Facility, (NMED) Hilton, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Giant Industries Arizona, Inc. concur with the status of the waste from the subject site.

Name Tim Kinney
Title/Agency General Manager
Pipeline, Maintenance, and Administration
Address 5764 U.S. Hwy 64
Farmington, NM 87401
Signature 
Date July 12, 1996

Phillip Environmantal

ENVIROTECH Inc.

5798 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0815

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION

JOB No: _____
PAGE No: 1 of 1

FACILITY LOCATION: Chispa Pipeline Star Order Terminal
SOURCE LOCATION: _____
SOURCE LOCATION: _____
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: Transportation Storage PIT TYPE: _____

DATE STARTED: 6-18-96
DATE FINISHED: 6-18-96
ENVIRONMENTAL
SPECIALIST: HUB

SOIL REMEDIATION: QUANTITY: 300 + C.Y. # OF COMP. SAMPLES: _____
DIMENSIONS: _____

VISIBLE OBSERVATIONS: _____

SAMPLING PLAN: Composite From Eastern Pile & old Tank Foundation

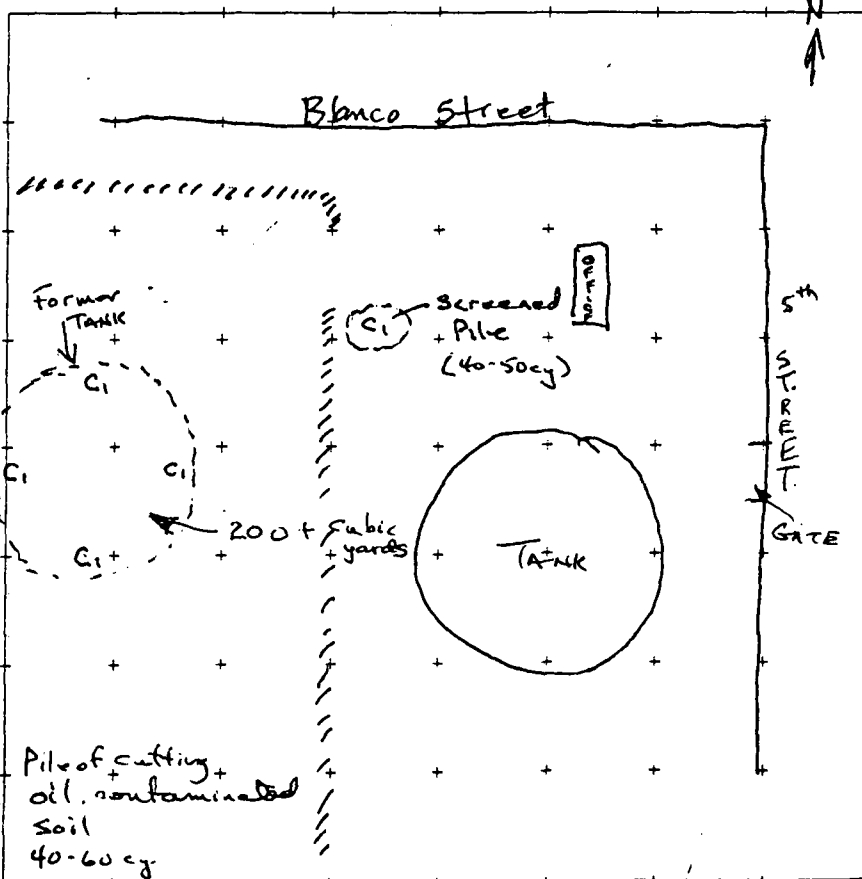
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: Composite #2 - 5 pt. composite from pile @ SE corner
NEAREST SURFACE WATER: of banded area. (Knew Cutting oil used to clean out)
MAX TPH PER NMOC: (old Storage Tank)

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM
RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB
RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:

↑
NORTH

N/A.

WELLHEAD

Banded
good

SURFACE
FLOW DIR.

↓
ESTIMATED
GROUNDWATER
FLOW DIR.

Giant Crude Termite
Cinza Bloomfield

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0 0.005 ✓	D004	Hexachlorobenzene	0.13 ND ✓	D032
* Barium	100.0 2.09 ✓	D005	Hexachlorobutadiene	0.5 ND ✓	D033
Benzene ND ✓	0.5	D018	Hexachloroethane	3.0 ND ✓	D034
* Cadmium	1.0 0.003 ✓	D006	* Lead	5.0 0.075 ✓	D008
Carbon Tetrachloride ND	0.5	D019	* Lindane	0.4 ND	D013 Pesticide
Pesticide Chlordane ND	0.03	D020	* Mercury	0.2 ND ✓	D009
Chlorobenzene ND	100.0	D021	* Methoxychlor	10.0 ND	D014 Pesticide
Chloroform ND	6.0	D022	Methyl ethyl ketone	200.0 ND	D035
* Chromium	5.0 ND	D007	Nitrobenzene	2.0 ND	D036
Cresol	200.0	D026	Pentachlorophenol	100.0 ND ✓	D037
m-Cresol ND ✓	200.0	D024	Pyridine	5.0 ND ✓	D038
o-Cresol ND ✓	200.0	D023	* Selenium	1.0 0.002 ✓	D010
p-Cresol ND ✓	200.0	D025	* Silver	5.0 ND ✓	D011
HERBICIDE* 2,4-D ND	10.0	D016	* 2,4,5-TP (Silvex)	1.0 ND ✓	D017 HERBICIDE
1,4-Dichlorobenzene ND	7.5	D027	Tetrachloroethylene	0.7 ND	D039
1,2-Dichloroethane ND	0.5	D028	* Toxaphene	0.5 ND	D015 Pesticide
1,1-Dichloroethylene ND	0.7	D029	Trichloroethylene	0.5 ND	D040
2,4-Dinitrotoluene ND	0.13	D030	2,4,5-Trichlorophenol	400.0 0.183 ✓	D041
Pesticide * Endrin ND	0.02	D012	2,4,6-Trichlorophenol	2.0 0.052 ✓	D042
Pesticide Heptachlor ND	0.008	D031	Vinyl chloride	0.2 ND ✓	D043

*-EP Toxic wastes: TCLP must now be utilized for characterizing these wastes

AEN I.D. 606336

July 11, 1996

Envirotech, Inc.
5796 U.S. Highway 64-3014
Farmington, NM 87401

Project Name/Number: PHILIP ENVIRONMENTAL (NONE)

Attention: Dennis Ajeman

On 06/21/96, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze non-aqueous and aqueous samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by American Environmental Network (FL) Inc., 11 east East Olive Road, Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
General Manager

MR:ft

Enclosure

American Environmental Network

FAX TRANSMITTAL SHEET

DELIVER TO:

Dennis / Stacy

PHONE NUMBER: _____

FAX NUMBER: 505-632-1865

708-942-0809

COMPANY:

Envirotech

NUMBER OF PAGES BEING SENT: 19 (INCLUDING THIS PAGE)

FROM:

DATE: 7/12

TIME: _____

K H. Mitchell Rubenstein, Ph.D., General Manager

Kimberly D. McNeill, Project Manager

John Caldwell

Ellen Dolock

FAX NUMBER: (505) 344-4413

The information contained in this Facsimile message is intended only for the personal and confidential use of the designated recipients named above. This message may be proprietary confidential information of a client, and as such is privileged and confidential. If the reader of this messages is not the intended recipient or any agent responsible for delivering it to the intended recipient, you are hereby notified that you have received this document in error, and that any review, dissemination, distribution or copying of this message is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us by mail. Thank You....

COMMENTS:

If you did not receive all pages of this transmission or if you experience Fax Transmission problems, Please call (505) 344-3777, as soon as possible after receipt.

CLIENT : ENVIROTECH, INC.
PROJECT # : (NONE)
PROJECT NAME : PHILIP ENVIRONMENTAL

DATE RECEIVED : 06/21/96
REPORT DATE : 07/11/96

AEN ID: 606336

	AEN ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	606336-01	COMPOSITE #1	NON-AQ	06/18/96
02	606336-02	COMPOSITE #2	NON-AQ	06/18/96
03	606336-03	0619-MB	AQUEOUS	06/19/96

---TOTALS---

MATRIX	#SAMPLES
NON-AQ	2
AQUEOUS	1

AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

"FINAL REPORT FORMAT - SINGLE"

Accession: 606416
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 606336
Project Name: ENVIROTECH
Project Location: N/S
Test: TCLP HERBICIDES
Analysis Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
Extraction Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
Matrix: LIQUID
QC Level: II

Lab Id: 001 Sample Date/Time: 18-JUN-96 1140
Client Sample Id: 606336-01 Received Date: 22-JUN-96

Batch: HEW023 Extraction Date: 25-JUN-96
Blank: A Dry Weight %: N/A Analysis Date: 29-JUN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
2,4-DICHLOROPHENOXYACETIC ACID	UG/L	ND	10	
2,4,5-TP (SILVEX)	UG/L	ND	2.0	
DCAA	%REC/SURR	96	65-112	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 606416
Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
Project Number: 606336
Project Name: ENVIROTECH
Project Location: N/S
Test: TCLP PESTICIDES
Analysis Method: 8080 / SW-846, 3rd Edition, Rev. 1 July 1994.
Extraction Method: 3510 / SW-846, 3rd Edition, Rev. 2 July 1994.
Matrix: LIQUID
QC Level: II

Lab Id: 001 Sample Date/Time: 18-JUN-96 1140
Client Sample Id: 606336-01 Received Date: 22-JUN-96
Batch: PSW045 Extraction Date: 25-JUN-96
Blank: A Dry Weight %: N/A Analysis Date: 28-JUN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
CHLORDANE	UG/L	ND	0.5	
ENDRIN	UG/L	ND	0.10	
HEPTACHLOR	UG/L	ND	0.05	
HEPTACHLOR EPOXIDE	UG/L	ND	0.05	
LINDANE	UG/L	ND	0.05	
METHOXYCHLOR	UG/L	ND	0.5	
TOXAPHENE	UG/L	ND	3.0	
DCB	%REC/SURR	93	17-135	
TCMX	%REC/SURR	83	43-101	
ANALYST	INITIALS	RP		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 606416
 Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
 Project Number: 606336
 Project Name: ENVIROTECH
 Project Location: N/S
 Test: TCLP PESTICIDES
 Analysis Method: 8080 / SW-846, 3rd Edition, Rev. 1 July 1994.
 Extraction Method: 3510 / SW-846, 3rd Edition, Rev. 2 July 1994.
 Matrix: LIQUID
 QC Level: II

Lab Id:	002	Sample Date/Time:	19-JUN-96 N/S
Client Sample Id:	EXTRACTION BLANK-03	Received Date:	22-JUN-96
Batch: PSW045		Extraction Date:	25-JUN-96
Blank: A	Dry Weight %: N/A	Analysis Date:	28-JUN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
CHLORDANE	UG/L	ND	0.5	
ENDRIN	UG/L	ND	0.10	
HEPTACHLOR	UG/L	ND	0.05	
HEPTACHLOR EPOXIDE	UG/L	ND	0.05	
LINDANE	UG/L	ND	0.05	
METHOXYCHLOR	UG/L	ND	0.5	
TOKAPHENE	UG/L	ND	3.0	
DCB	%REC/SURR	98	17-135	
TCMX	%REC/SURR	79	43-101	
ANALYST	INITIALS	RP		

Comments:

"QC Report"

Title: Water Blank
 Batch: PSW045
 Analysis Method: 8080 / SW-846, 3rd Edition, Rev. 1 July 1994.
 Extraction Method: 3510 / SW-846, 3rd Edition, Rev. 2 July 1994.

Blank Id: A Date Analyzed: 28-JUN-96 Date Extracted: 25-JUN-96

Parameters:	Units:	Results:	Reporting Limits:
ALDRIN	UG/L	ND	0.05
ALPHA-BHC	UG/L	ND	0.05
BETA-BHC	UG/L	ND	0.05
DELTA-BHC	UG/L	ND	0.05
GAMMA-BHC (LINDANE)	UG/L	ND	0.05
CHLORDANE	UG/L	ND	0.5
4,4'-DDD	UG/L	ND	0.10
4,4'-DDE	UG/L	ND	0.10
4,4'-DDT	UG/L	ND	0.10
DIELDRIN	UG/L	ND	0.10
ENDOSULFAN I	UG/L	ND	0.05
ENDOSULFAN II	UG/L	ND	0.10
ENDOSULFAN SULFATE	UG/L	ND	0.10
ENDRIN	UG/L	ND	0.10
ENDRIN ALDEHYDE	UG/L	ND	0.10
HEPTACHLOR	UG/L	ND	0.05
HEPTACHLOR EPOXIDE	UG/L	ND	0.05
PCB-1016	UG/L	ND	1.0
PCB-1221	UG/L	ND	1.0
PCB-1232	UG/L	ND	1.0
PCB-1242	UG/L	ND	1.0
PCB-1248	UG/L	ND	1.0
PCB-1254	UG/L	ND	1.0
PCB-1260	UG/L	ND	1.0
TOXAPHENE	UG/L	ND	3.0
METHOXYCHLOR	UG/L	ND	0.5
DCE	*REC/SURR	100	17-135
TCMX	*REC/SURR	89	43-101
ANALYST	INITIALS	RP	

Comments:

"QC Report"

Title: Water Reagent
 Batch: PSW045
 Analysis Method: 8080 / SW-846, 3rd Edition, Rev. 1 July 1994.
 Extraction Method: 3510 / SW-846, 3rd Edition, Rev. 2 July 1994.

RS Date Analyzed: 28-JUN-96
 RSD Date Analyzed: 28-JUN-96

RS Date Extracted: 25-JUN-96
 RSD Date Extracted: 25-JUN-96

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	RPD Lmts	Rec Lmts
INDANE	1.00	<0.05	0.90	90	0.85	85	6	23	51-118
PTACHLOR	1.00	<0.05	0.92	92	0.85	85	8	18	70-123
ALDRIN	1.00	<0.05	0.62	62	0.57	57	8	26	54-122
DELDRIN	1.00	<0.10	0.97	97	0.91	91	6	19	75-119
ENDRIN	1.00	<0.10	1.03	103	0.95	95	8	21	67-122
DDT	1.00	<0.10	0.96	96	0.91	91	5	14	59-127
Surrogates:									
CB				100		95			17-135
CMX				87		84			43-101

Comments:

Notes:

N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
 UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
 * = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
 SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE
 PROGRAM AND REFERENCED METHOD.

"QC Report"

Title: Water Matrix
 Tech: PSW045
 Analysis Method: 8080 / SW-846, 3rd Edition, Rev. 1 July 1994.
 Fraction Method: 3510 / SW-846, 3rd Edition, Rev. 2 July 1994.

Sample Weight #: N/A
 Sample Spiked: 606360-1
 MS Date Analyzed: 28-JUN-96
 MSD Date Analyzed: 28-JUN-96
 MS Date Extracted: 25-JUN-96
 MSD Date Extracted: 25-JUN-96

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
INDANE	2.00	<0.05	1.44	72	1.57	79	9	27	40-119
PTACHLOR	2.00	<0.05	1.47	74	1.59	80	8	30	53-123
RIN	2.00	<0.05	0.96	48	1.06	53	10	31	42-130
TELDRIN	2.00	<0.10	1.52	76	1.67	84	10	18	61-124
NDRIN	2.00	<0.10	1.72	86	1.88	94	9	30	50-125
DT	2.00	<0.10	1.61	81	1.76	88	8	32	25-138
Surrogates:									
CB				81		89			17-135
CMX				71		76			43-101

Comments:

Notes:

N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
 UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
 * = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
 SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Common notation for Organic reporting

N/S - NOT SUBMITTED
N/A - NOT APPLICABLE
D - DILUTED OUT
UG/L - PARTS PER BILLION.
UG/KG - PARTS PER BILLION.
MG/KG - PARTS PER MILLION.
MG/L - PARTS PER MILLION.
< - LESS THAN DETECTION LIMIT.
* - VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
J - THE REPORTED VALUE IS EITHER LESS THAN THE REPORTING LIMIT BUT
GREATER THAN ZERO, OR QUANTITATED AS A TIC, THEREFORE, IT IS
ESTIMATED.
ND - NOT DETECTED ABOVE REPORTING LIMIT.
RPT LIMIT - REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.
RPD - RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM
AND REFERENCED METHOD.

ORGANIC SOILS ARE REPORTED ON A DRY WEIGHT BASIS.

RP - ROBERT PEREZ
KL - KERRY LEMONT
RW - ROBERT WOLFE
PL - PAUL LESCHENSKY

758

4809

JUL 12 '96 09:16AM AEN-NEW MEXICO

P.18/19

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

July 15, 1996

Mr. Martin Nee
Philip Environmental Services, Inc.
4000 Monroe Road
Farmington, New Mexico 87401

Project No.: 96036-05

Dear Mr. Nee,

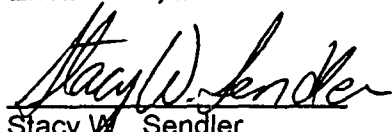
Enclosed are the analytical results for the samples collected from the Ciniza Crude Terminal location. Two composite soil samples were collected, one from the location designated as "Tank Bottoms Cleanup, Under Tank", and one from the location designated as "Cutting Oil Contaminated Soil" on June 18, 1996. The samples were received by the Envirotech laboratory on June 18, 1996 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Metals, Herbicides, Pesticides, Reactivity, Corrosivity, and Ignitability).

The samples were documented on Envirotech Chain of Custody No. 4809 and assigned Laboratory Nos. A249 (Composite #1, Tank Bottoms) and A250 (Composite #2, Cutting Oil Contaminated Soil) for tracking purposes.

Results of the analysis indicate that the material from the designated locations are not characteristic hazardous wastes as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.



Stacy W. Sandler
Laboratory Manager

enc.

SWS\sws

96036-05.lb1

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Philip Environmental Services	Project #:	96036-05
Sample ID:	Composite #1	Date Reported:	06-21-96
Lab ID#:	A249	Date Sampled:	06-18-96
Sample Matrix:	Soil	Date Received:	06-18-96
Preservative:	Cool	Date Analyzed:	06-19-96
Condition:	Cool & Intact	Chain of Custody:	4809

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.09

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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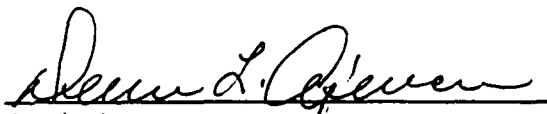
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

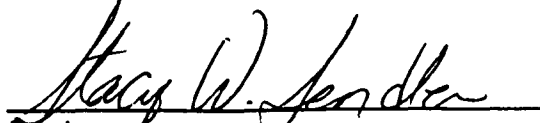
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Ciniza Crude Terminal
Tank Bottoms Cleanup, Under Tank.


Analyst


Review

Client:	Phillip Environmental Services	Project #:	96036-05
Sample ID:	Composite #1	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Extracted:	06-20-96
Preservative:	Cool	Date Analyzed:	06-21-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	0.0084	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0003	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0061	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

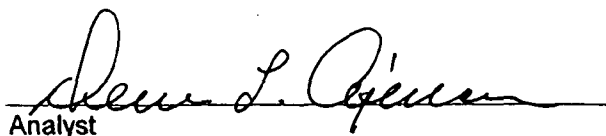
ND - Parameter not detected at the stated detection limit.

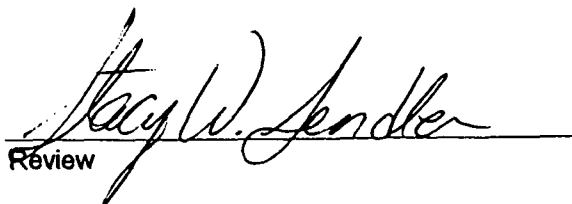
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Ciniza Crude Terminal.**
Tank Bottoms Cleanup, Under Tank.


Analyst


Review

Client:	Phillip Environmental Services	Project #:	96036-05
Sample ID:	Composite #1	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Extracted:	06-19-96
Preservative:	Cool	Date Analyzed:	06-21-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	98%

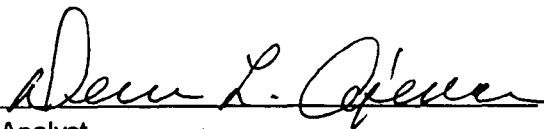
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

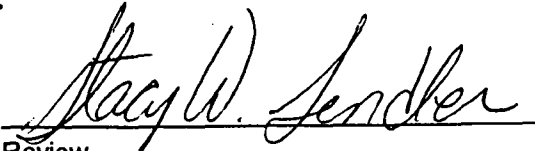
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Ciniza Crude Terminal.
Tank Bottoms Cleanup, Under Tank.**


Analyst


Review

Client:	Phillp Environmental Services	Project #:	96036-05
Sample ID:	Composite #1	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Extracted:	06-19-96
Preservative:	Cool	Date Analyzed:	06-21-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

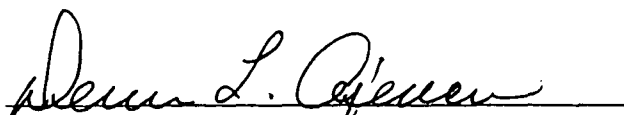
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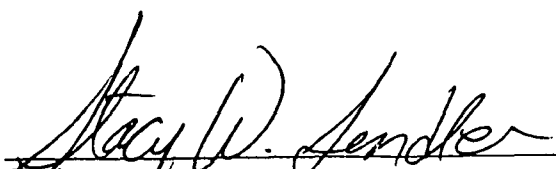
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Ciniza Crude Terminal.**
Tank Bottoms Cleanup, Under Tank.


Analyst


Review

Client:	Phillp Environmental Services	Project #:	96036-05
Sample ID:	Composite #1	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Analyzed:	06-21-96
Preservative:	Cool	Date Extracted:	06-19-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.81	0.01	100
Cadmium	0.011	0.001	1.00
Chromium	ND	0.001	5.00
Lead	1.58	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

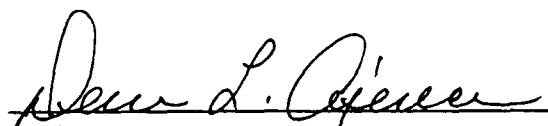
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

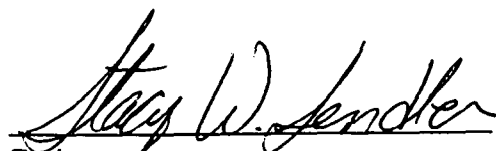
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Ciniza Crude Terminal.
Tank Bottoms Cleanup, Under Tank.**


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: A249
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

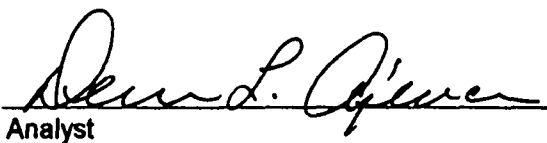
Project #: N/A
Date Reported: 06-21-96
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06-21-96
Date Extracted: 06-20-96

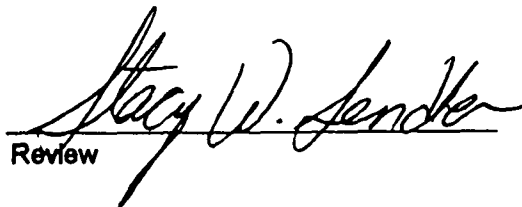
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	0.0084	0.020	0.0270	0.0004	95%	28-163
1,1-Dichloroethene	ND	0.020	0.0219	0.0002	98%	43-143
2-Butanone (MEK)	ND	0.020	0.0186	0.0001	93%	47-132
Chloroform	ND	0.020	0.0212	0.0003	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0197	0.0001	99%	43-143
Benzene	0.0061	0.020	0.0250	0.0001	96%	39-150
1,2-Dichloroethane	ND	0.020	0.0194	0.0001	97%	51-147
Trichloroethene	ND	0.020	0.0189	0.0003	94%	35-146
Tetrachloroethene	ND	0.020	0.0189	0.0005	92%	26-162
Chlorobenzene	ND	0.020	0.0214	0.0003	97%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0205	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA ETHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	06-20-96

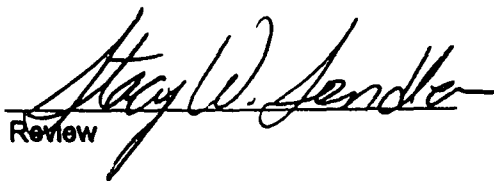
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	0.0084	0.0084	0.0004	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0003	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0061	0.0063	0.0001	2.4%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA METHOD 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-21-96
Laboratory Number:	06-20-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	06-20-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0003	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

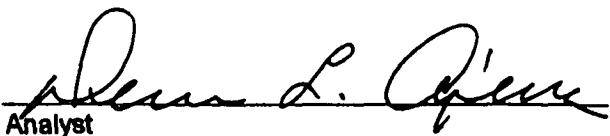
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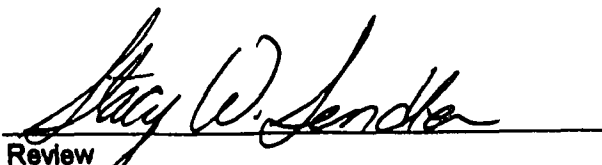
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-21-96
Laboratory Number:	06-21-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-21-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0003	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

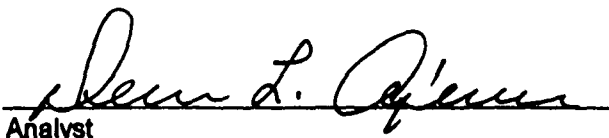
ND - Parameter not detected at the stated detection limit.

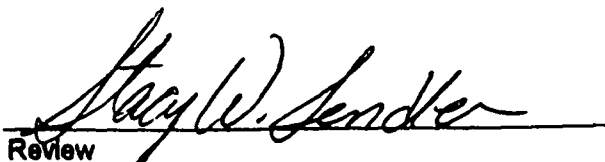
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-19-96
Condition:	Cool & Intact	Date Analyzed:	06-21-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

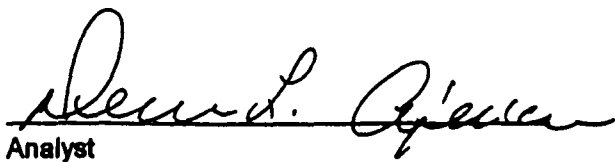
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

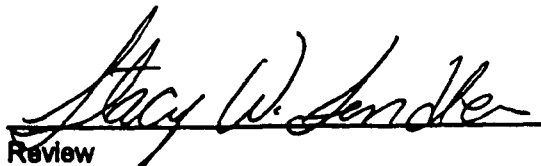
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-21-96
Laboratory Number:	06-19-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-19-96
Condition:	Cool & Intact	Date Analyzed:	06-21-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	100%

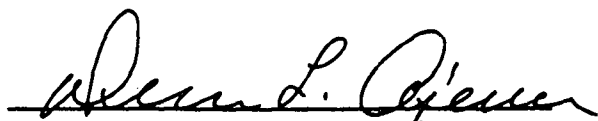
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

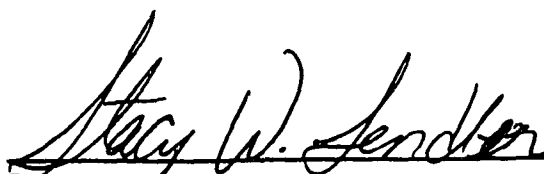
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

Quality Assurance Report Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-21-96
Laboratory Number:	06-21-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-21-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	100 %

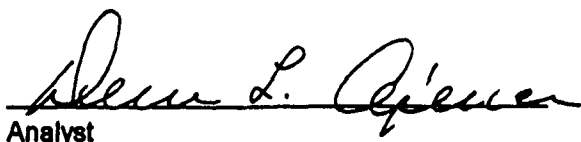
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

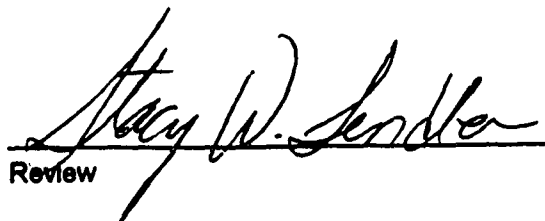
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	06-19-96
Condition:	N/A	Date Analyzed:	06-21-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

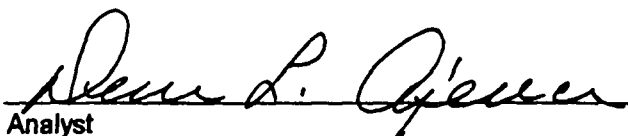
ND - Parameter not detected at the stated detection limit.

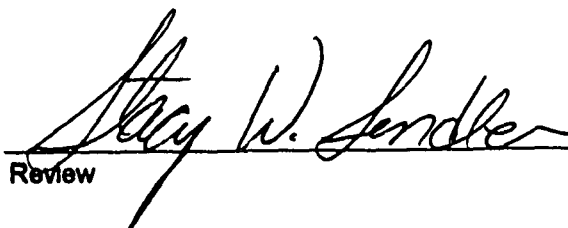
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-21-96
Laboratory Number:	06-19-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-19-96
Condition:	Cool and Intact	Date Analyzed:	06-21-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

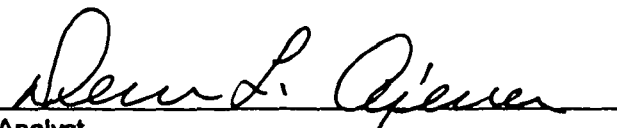
QA/QC Acceptance Criteria	Parameter	Percent Recovery
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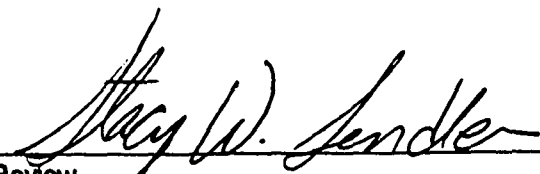
2-fluorobiphenyl	98%
-------------------------	------------

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
 Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
 Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


 Analyst


 Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 06-21-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 06-21-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 06-21-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

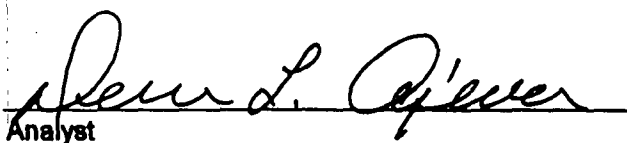
ND - Parameter not detected at the stated detection limit.

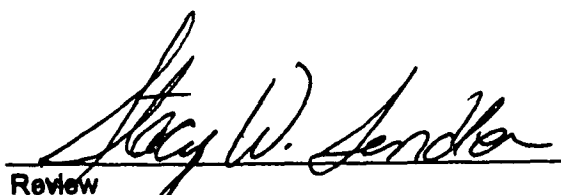
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.101	101%
Barium	1.00	1.81	2.81	100%
Cadmium	0.050	0.011	0.061	100%
Chromium	0.050	ND	0.049	98%
Lead	0.100	1.58	1.68	100%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.099	99%
Silver	0.050	ND	0.051	102%

ND - Parameter not detected at the stated detection limit.

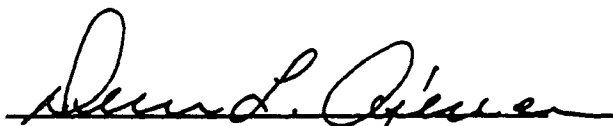
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

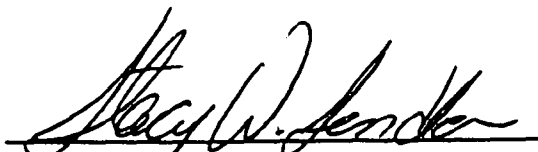
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A249 - A251.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.81	1.82	0.6%
Cadmium	0.011	0.011	0.0%
Chromium	ND	ND	0.0%
Lead	1.58	1.58	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

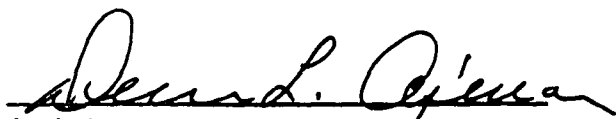
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

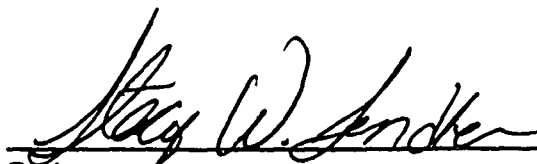
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A249 - A251.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	06-21-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

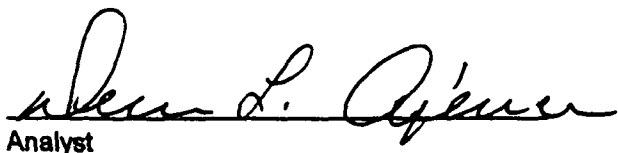
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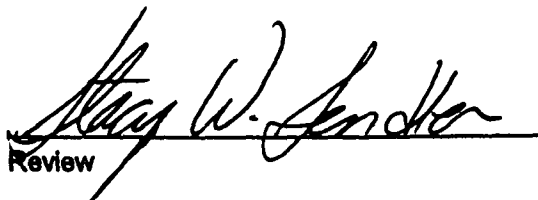
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A249 - A251.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Philip Environmental Service, Inc.			Project Location Cienega Crude Terminal		ANALYSIS/PARAMETERS									
Sampler (Signature) <i>[Signature]</i>			Chain of Custody Tape No. #96036-05		No. of Containers	RCRA CHLORAC.	TCUP VOLATILES	TCUP METALS	TCUP HERBICIDES	TCUP PESTICIDES	TCUP SOIL VOLS	Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
Composite #1	6.18.96	11:40	A 249	Soil	2	/	/	/	/	/	/	Task Bottoms Cleanup under Tank		
Composite #2	6.18.96	11:54	A 250	Soil	2	/	/	/	/	/	/	Cutting - oil contaminated soil.		
Relinquished by: (Signature) <i>[Signature]</i>			Date 6.18.96	Time 13:21	Received by: (Signature) <i>[Signature]</i>						Date 6.18.96	Time 13:21		
Retinquired by: (Signature)					Received by: (Signature)									
Retinquired by: (Signature)					Received by: (Signature)									
Results to: MARTIN NEE Philip Env. Svc. Services, Inc. 4000 Monroe Rd Farmington, NM 87401 ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615														

Office I - (505) 393-6161
Box 1912
Albuquerque, NM 87103
Office II - (505) 748-1283
S. First
Albuquerque, NM 88210
Office III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
Office IV - (505) 827-7131

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

RECEIVED

JUL 15 1996

Environmental Bureau
Oil Conservation Division

Env JN:

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <i>Grant Crude Terminal</i>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <i>A/A</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>Envirotech</i>
3. Address of Facility Operator <i>5796 U.S. Highway 64 Farmington, NM 87401</i>	8. State <i>NM</i>
7. Location of Material (Street Address or ULSTR) <i>Grant Crude Terminal</i>	
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. 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: *COMPOSITE #2*
Petroleum hydrocarbon contaminated sand mixed with tank bottoms and screened to remove the large pieces of paraffin.
LF2
E18-C16
RECEIVED JUL 17 1996 OIL CON. DIV. DIST. 3
RECEIVED JUL 15 1996 OIL CON. DIV. DIST. 3
Estimated Volume *200* cy Known Volume (to be entered by the operator at the end of the haul) *200* cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Manager* DATE: *7/12/96*
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: *Harlan M. Brown* TELEPHONE NO. *(505) 632-0615*

This space for State Use)

APPROVED BY: *Denise G. Fournier* TITLE: *Geologist* DATE: *7/15/96*
APPROVED BY: *Christina* TITLE: *Geologist* DATE: *7/15/96*

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <i>Giant Crude Terminal</i>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <i>A/A</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Fac. Landfarm #2</i>	6. Transporter <i>Envirotech</i>
3. Address of Facility Operator <i>5796 U.S. Highway 64 Farmington, NM 87401</i>	8. State <i>NM</i>
7. Location of Material (Street Address or ULSTR) <i>Giant Crude Terminal</i>	
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. 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: *COMPOSITE #2*

Petroleum Hydrocarbon Contaminated Sand mixed with tank bottoms and screened to remove the large pieces of Parfin.

RECEIVED
JUL 15 1996

OIL CON. DIV.
DIST. 3

Estimated Volume *200* cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Manager* DATE: *7/12/96*
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: *Harlan M. Brown* TELEPHONE NO. *(505) 632-0615*

(This space for State Use)

APPROVED BY: *Denny L. Faint* TITLE: *Geologist* DATE: *7/15/96*
APPROVED BY: _____ TITLE: _____ DATE: _____

5056321865 YOUNG ENVIRONMENTAL

434 P22

JUL 12 '96 09:46

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Giant Industries' Bloomfield Station

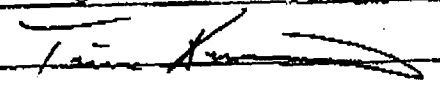
Source: Petroleum hydrocarbon contaminated soil mixed with tank bottoms

Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Giant Industries Arizona, Inc.
concur with the status of the waste from the subject site.

Name Tim Kinney
Title/Agency General Manager
Pipeline, Maintenance, & Administration
Address 5764 U.S. Hwy 64
Farmington, NM 87401

Signature 

Date July 12, 1996

Phillip Environmental

ENVIROTECH Inc.

5798 US HWY. 84, FARMINGTON, NM 87401
(505) 632-0815

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION

JOB No: _____
PAGE No: 1 of 1

FACILITY LOCATION: Cinco 72nd St. & 1st St. Old Terminal
SOURCE LOCATION: _____
SOURCE LOCATION: _____
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: Transportation Storage PIT TYPE: _____

DATE STARTED: 6-18-96
DATE FINISHED: 6-18-96

ENVIRONMENTAL
SPECIALIST: HMB

SOIL REMEDIATION: QUANTITY: 300 + C.Y. # OF COMP. SAMPLES: _____
DIMENSIONS: _____

VISIBLE OBSERVATIONS: _____

SAMPLING PLAN: Composite from Eastern Pile & old Tank Foundation

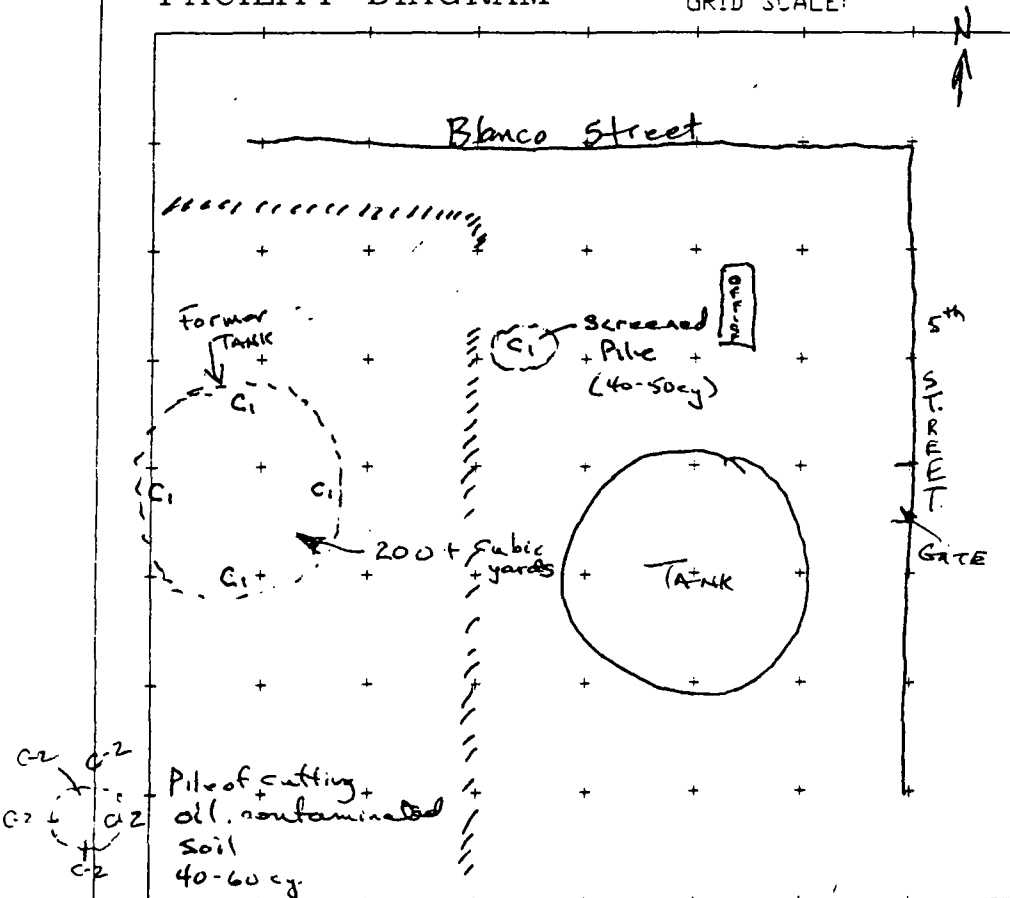
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: Composite #2 - 5 pt. composite from pile @ SE corner
NEAREST SURFACE WATER: of burned area. (Knew Cutting oil used to clean out)
MAX TPH PER NMCD: (old Storage Tank)

No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



OVM
RESULTS

SAMPLE ID:	FIELD HEADSPACE P/D (ppm)

LAB
RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:

↑
NORTH

N/A

WELLHEAD

Burned
ground

SURFACE
FLOW DIR.

↓
ESTIMATED
GROUNDWATER
FLOW DIR.

Giant Crude Terminal
Cinza Bloodfield.

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0 ^{0.005} ✓	D004	Hexachlorobenzene	0.13 ND ✓	D032
* Barium	100.0 ^{2.09} ✓	D005	Hexachlorobutadiene	0.5 ND ✓	D033
Benzene ND ✓	0.5	D018	Hexachloroethane	3.0 ND ✓	D034
* Cadmium	1.0 ^{0.003} ✓	D006	* Lead	5.0 ^{0.075} ✓	D008
Carbon Tetrachloride ND ✓	0.5	D019	* Lindane	0.4 ND ✓	D013 PESTICIDE
PESTICIDE Chlorodane ND ✓	0.03	D020	* Mercury	0.2 ND ✓	D009
Chlorobenzene ND ✓	100.0	D021	* Methoxychlor	10.0 ND ✓	D014 PESTICIDE
Chloroform ND ✓	6.0	D022	Methyl ethyl ketone	200.0 ND ✓	D035
* Chromium	5.0 ND ✓	D007	Nitrobenzene	2.0 ND ✓	D036
Cresol	200.0	D026	Pentachlorophenol	100.0 ND ✓	D037
m-Cresol ND ✓	200.0	D024	Pyridine	5.0 ND ✓	D038
o-Cresol ND ✓	200.0	D023	* Selenium	1.0 ^{0.002} ✓	D010
p-Cresol ND ✓	200.0	D025	* Silver	5.0 ND ✓	D011
HERBICIDE* 2,4-D ND ✓	10.0	D016	* 2,4,5-TP (Silvex)	1.0 ND ✓	D017 HERBICIDE
1,4-Dichlorobenzene ND ✓	7.5	D027	Tetrachloroethylene	0.7 ND ✓	D039
1,2-Dichloroethane ND ✓	0.5	D028	* Toxaphene	0.5 ND ✓	D015 PESTICIDE
1,1-Dichloroethylene ND ✓	0.7	D029	Trichloroethylene	0.5 ND ✓	D040
2,4-Dinitrotoluene ND ✓	0.13	D030	2,4,5-Trichlorophenol	400.0 ^{0.183} ✓	D041
PESTICIDE* Endrin ND ✓	0.02	D012	2,4,6-Trichlorophenol	2.0 ^{0.052} ✓	D042
PESTICIDE Heptachlor ND ✓	0.008	D031	Vinyl chloride	0.2 ND ✓	D043

* -EIP Toxic wastes; TCLP must now be utilized for characterizing these wastes

AEN I.D. 606336

July 11, 1996

Envirotech, Inc.
5796 U.S. Highway 64-3014
Farmington, NM 87401

Project Name/Number: PHILIP ENVIRONMENTAL (NONE)

Attention: Dennis Ajeman

On 06/21/96, American Environmental Network (NM), Inc., (ADHS License No. AZ0015) received a request to analyze non-aqueous and aqueous samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

All analyses were performed by American Environmental Network (FL) Inc., 11 east East Olive Road, Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.



Kimberly D. McNeill
Project Manager

H. Mitchell Rubenstein, Ph.D.
General Manager

MR:ft

Enclosure

American Environmental Network

FAX TRANSMITTAL SHEET

DELIVER TO:

Dennis / Stacy

PHONE NUMBER: _____

FAX NUMBER: 505-632-1865

COMPANY:

Envirotech

708-942-0809

NUMBER OF PAGES BEING SENT: 19 (INCLUDING THIS PAGE)

FROM:

DATE: 7/12

K H. Mitchell Rubenstein, Ph.D., General Manager
Kimberly D. McNeill, Project Manager
John Caldwell
Ellen Dolock

TIME: _____

FAX NUMBER: (505) 344-4413

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COMMENTS:

If you did not receive all pages of this transmission or if you experience Fax Transmission problems, Please call (505) 344-3777, as soon as possible after receipt.

CLIENT : ENVIROTECH, INC. DATE RECEIVED : 06/21/96
 PROJECT # : (NONE)
 PROJECT NAME : PHILIP ENVIRONMENTAL REPORT DATE : 07/11/96

AEN ID: 606336

	AEN ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
01	606336-01	COMPOSITE #1	NON-AQ	06/18/96
02	606336-02	COMPOSITE #2	NON-AQ	06/18/96
03	606336-03	0619-MB	AQUEOUS	06/19/96

---TOTALS---

MATRIX	#SAMPLES
NON-AQ	2
AQUEOUS	1

AEN STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.

"FINAL REPORT FORMAT - SINGLE"

Accession: 606416
 Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
 Project Number: 606336
 Project Name: ENVIROTECH
 Project Location: N/S
 Test: TCLP HERBICIDES
 Analysis Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
 Extraction Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
 Matrix: LIQUID
 QC Level: II

Lab Id:	003	Sample Date/Time:	19-JUN-96 N/S
Client Sample Id:	606336-02	Received Date:	25-JUN-96
Batch: HEW023		Extraction Date:	25-JUN-96
Blank: A	Dry Weight %: N/A	Analysis Date:	29-JUN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
2,4-DICHLOROPHENOXYACETIC ACID	UG/L	ND	10	
2,4,5-TP (SILVEX)	UG/L	ND	2.0	
DCAA	%REC/SURR	94	65-112	
ANALYST	INITIALS	KL		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 606416
 Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
 Project Number: 606336
 Project Name: ENVIROTECH
 Project Location: N/S
 Test: TCLP PESTICIDES
 Analysis Method: 8080 / SW-846, 3rd Edition, Rev. 1 July 1994.
 Extraction Method: 3510 / SW-846, 3rd Edition, Rev. 2 July 1994.
 Matrix: LIQUID
 QC Level: II

Lab Id:	003	Sample Date/Time:	19-JUN-96 N/S
Client Sample Id:	606336-02	Received Date:	25-JUN-96
Batch: PSW045		Extraction Date:	25-JUN-96
Blank: A	Dry Weight %: N/A	Analysis Date:	28-JUN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
CHLORDANE	UG/L	ND	0.5	
ENDRIN	UG/L	ND	0.10	
HEPTACHLOR	UG/L	ND	0.05	
HEPTACHLOR EPOXIDE	UG/L	ND	0.05	
LINDANE	UG/L	ND	0.05	
METHOXYCHLOR	UG/L	ND	0.5	
TOXAPHENE	UG/L	ND	3.0	
DCB	%REC/SURR	88	17-135	
TCMX	%REC/SURR	72	43-101	
ANALYST	INITIALS	RP		

Comments:

"FINAL REPORT FORMAT - SINGLE"

Accession: 606416
 Client: AMERICAN ENVIRONMENTAL NETWORK OF NEW MEXICO
 Project Number: 606336
 Project Name: ENVIROTECH
 Project Location: N/S
 Test: TCLP HERBICIDES
 Analysis Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
 Extraction Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
 Matrix: LIQUID
 QC Level: II

Lab Id:	002	Sample Date/Time:	19-JUN-96 N/S
Client Sample Id:	EXTRACTION BLANK-03	Received Date:	22-JUN-96
Batch: HEW023		Extraction Date:	25-JUN-96
Blank: A	Dry Weight %: N/A	Analysis Date:	29-JUN-96

Parameter:	Units:	Results:	Rpt Lmts:	Q:
2,4-DICHLOROPHENOXACETIC ACID	UG/L	ND	10	
2,4,5-TP (SILVEX)	UG/L	ND	2.0	
DCAA	%REC/SURR	95	65-112	
ANALYST	INITIALS	KL		

Comments:

"QC Report"

Title: Water Blank
Batch: HEW023
Analysis Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
Extraction Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.

Blank Id: A Date Analyzed: 28-JUN-96 Date Extracted: 25-JUN-96

Parameters:	Units:	Results:	Reporting Limits:
DALAPON	UG/L	ND	60
DICAMBA	UG/L	ND	3.0
DICHLOROPROP	UG/L	ND	7.0
DINOSEB	UG/L	ND	1.0
MCPA	UG/L	ND	2500
MCPP	UG/L	ND	2000
2,4,5-T	UG/L	ND	2.0
2,4,5 TRICHLOROPHENOXY (SILVER)	UG/L	ND	2.0
2,4-D ACID HERBICIDE	UG/L	ND	10
2,4-DB	UG/L	ND	10
DCAA	µREC/SURR	78	65-112
ANALYST	INITIALS	KL	

Comments:

"QC Report"

title: Water Reagent
batch: HEW023
analysis Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
extraction Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.

RS Date Analyzed: 28-JUN-96
RSD Date Analyzed: 28-JUN-96

RS Date Extracted: 25-JUN-96
RSD Date Extracted: 25-JUN-96

Parameters:	Spike Added	Sample Conc	RS Conc	RS %Rec	RSD Conc	RSD %Rec	RPD	Rec Lmts	Rec Lmts
,4-DICHLOROPHENOXY-ACETIC	1.3	<10	0.7	54*	1.1	85	45*	21	66-128
,4,5-TP,SILVEX	1.0	<2.0	0.9	90	1.0	100	11	15	65-122
Surrogates: CAA				70		86			65-112

Comments:
* REAGENT SPIKE/REAGENT SPIKE DUPLICATE HAD RECOVERY(S) AND/OR RPD(S)
OUTSIDE ACCEPTANCE LIMITS DUE TO EXTRACTION TECHNICIAN ERROR. SEE
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS.

Notes:
N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
* = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE
PROGRAM AND REFERENCED METHOD.

"QC Report"

Title: Water Matrix
 Batch: HEW023
 Analysis Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.
 Extraction Method: 8150 / SW-846, 3rd Edition, Rev. 2 Sept. 1994.

Dry Weight %: N/A MS Date Analyzed: 28-JUN-96 MS Date Extracted: 25-JUN-96
 Sample Spiked: 606360-1 MSD Date Analyzed: 28-JUN-96 MSD Date Extracted: 25-JUN-96

Parameters:	Spike Added	Sample Conc	MS Conc	MS %Rec	MSD Conc	MSD %Rec	RPD	RPD Lmts	Rec Lmts
2,4-DICHLOROPHENOXY-ACETIC	2.6	<10	1.4	54	1.6	62	14	62	49-137
2,4,5-TP, SILVEX	2.0	<2.0	1.5	75	1.5	75	0	32	54-121

Surrogates:
 OCAA 70 77 65-112

Comments:

Notes:
 N/S = NOT SUBMITTED N/A = NOT APPLICABLE D = DILUTED OUT
 UG/L = PARTS PER BILLION. < = LESS THAN REPORTING LIMIT.
 * = VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
 SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM AND REFERENCED METHOD.

Common notation for Organic reporting

N/S - NOT SUBMITTED
N/A - NOT APPLICABLE
D - DILUTED OUT
UG/L - PARTS PER BILLION.
UG/KG - PARTS PER BILLION.
MG/KG - PARTS PER MILLION.
MG/L - PARTS PER MILLION.
< - LESS THAN DETECTION LIMIT.
* - VALUES OUTSIDE OF QUALITY CONTROL LIMITS.
J - THE REPORTED VALUE IS EITHER LESS THAN THE REPORTING LIMIT BUT
GREATER THAN ZERO, OR QUANTITATED AS A TIC; THEREFORE, IT IS
ESTIMATED.
ND - NOT DETECTED ABOVE REPORTING LIMIT.
RPT LIMIT - REPORTING LIMITS BASED ON METHOD DETECTION LIMIT STUDIES.
RPD - RELATIVE PERCENT DIFFERENCE (OR DEVIATION)

SOURCES FOR CONTROL LIMITS ARE INTERNAL LABORATORY QUALITY ASSURANCE PROGRAM
AND REFERENCED METHOD

ORGANIC SOILS ARE REPORTED ON A DRY WEIGHT BASIS.

RP - ROBERT PEREZ
KL - KERRY LEMONT
RW - ROBERT WOLFE
PL - PAUL LESCHENSKY



606416

JUL 12 '96 09:16AM AEN MEXICCO

P.19/19

10/30/95 ATI Labs: San Diego (619) 458-9141 • Phoenix (602) 498-4400 • Seattle (206) 228-8335 • Pensacola (904) 474-1001 • Portland (503) 684-0447 • Albuquerque (505) 344-3777 DISTRIBUTION: White, Canary • ATI Pink • ORIGINATOR

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Phillip Environmental Services	Project #:	98036-05
Sample ID:	Composite #2	Date Reported:	06-21-96
Lab ID#:	A250	Date Sampled:	06-18-96
Sample Matrix:	Soil	Date Received:	06-18-96
Preservative:	Cool	Date Analyzed:	06-19-96
Condition:	Cool & Intact	Chain of Custody:	4809

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 6.51

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

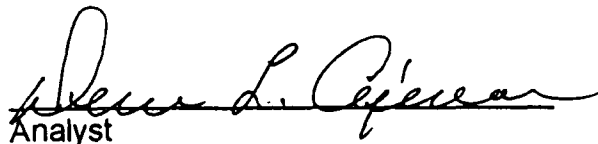
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

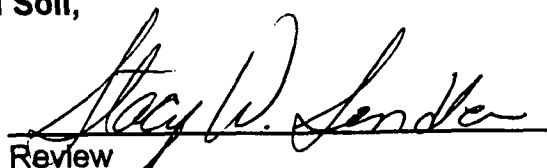
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Ciniza Crude Terminal
Cutting Oil Contaminated Soil,


Analyst


Review

Client:	Phillip Environmental Services	Project #:	96036-05
Sample ID:	Composite #2	Date Reported:	06-21-96
Laboratory Number:	A250	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Extracted:	06-20-96
Preservative:	Cool	Date Analyzed:	06-21-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0003	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

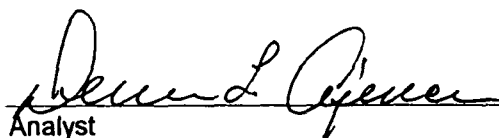
ND - Parameter not detected at the stated detection limit.

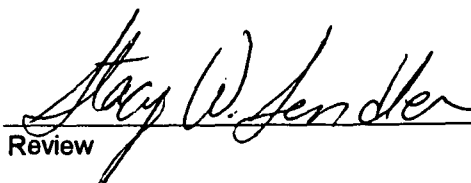
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Ciniza Crude Terminal.**
Cutting Oil Contaminated Soil.


Analyst


Review

Client:	Phillip Environmental Services	Project #:	96036-05
Sample ID:	Composite #2	Date Reported:	06-21-96
Laboratory Number:	A250	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Extracted:	06-19-96
Preservative:	Cool	Date Analyzed:	06-21-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	0.052	0.020	2.0
2,4,5-Trichlorophenol	0.183	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	96%
	2,4,6-Tribromophenol	98%

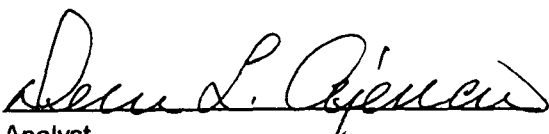
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

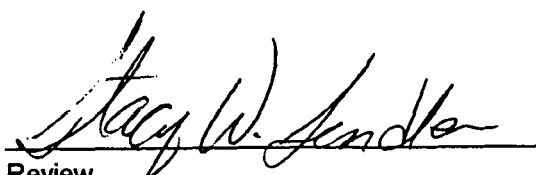
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Ciniza Crude Terminal.
Cutting Oil Contaminated Soil.


Analyst


Review

Client:	Phillp Environmental Services	Project #:	96036-05
Sample ID:	Composite #2	Date Reported:	06-21-96
Laboratory Number:	A250	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Extracted:	06-19-96
Preservative:	Cool	Date Analyzed:	06-21-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

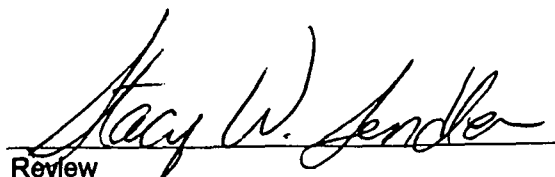
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Ciniza Crude Terminal.
Cutting Oil Contaminated Soil.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Phillip Environmental Services	Project #:	96036-05
Sample ID:	Composite #2	Date Reported:	06-21-96
Laboratory Number:	A250	Date Sampled:	06-18-96
Chain of Custody:	4809	Date Received:	06-18-96
Sample Matrix:	Soil	Date Analyzed:	06-21-96
Preservative:	Cool	Date Extracted:	06-19-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.005	0.001	5.00
Barium	2.09	0.01	100
Cadmium	0.003	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.075	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	0.002	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

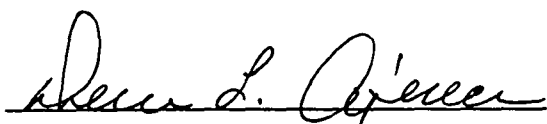
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

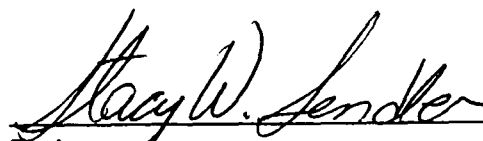
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Ciniza Crude Terminal.
Cutting Oil Contaminated Soil.**


Analyst


Review

**QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION**

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: A249
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

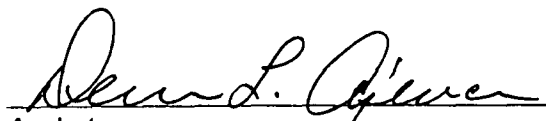
Project #: N/A
Date Reported: 06-21-96
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 06-21-96
Date Extracted: 06-20-96

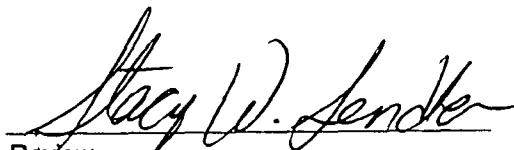
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	0.0084	0.020	0.0270	0.0004	95%	28-163
1,1-Dichloroethene	ND	0.020	0.0219	0.0002	98%	43-143
2-Butanone (MEK)	ND	0.020	0.0186	0.0001	93%	47-132
Chloroform	ND	0.020	0.0212	0.0003	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0197	0.0001	99%	43-143
Benzene	0.0061	0.020	0.0250	0.0001	96%	39-150
1,2-Dichloroethane	ND	0.020	0.0194	0.0001	97%	51-147
Trichloroethene	ND	0.020	0.0189	0.0003	94%	35-146
Tetrachloroethene	ND	0.020	0.0189	0.0005	92%	26-162
Chlorobenzene	ND	0.020	0.0214	0.0003	97%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0205	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

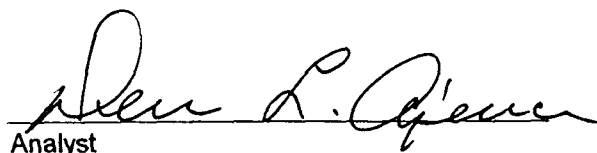
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	06-20-96

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	0.0084	0.0084	0.0004	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0003	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0061	0.0063	0.0001	2.4%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-21-96
Laboratory Number:	06-20-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	06-20-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0003	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

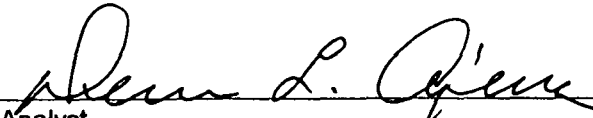
ND - Parameter not detected at the stated detection limit.

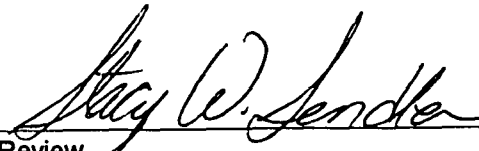
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-21-96
Laboratory Number:	06-21-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-21-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0003	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

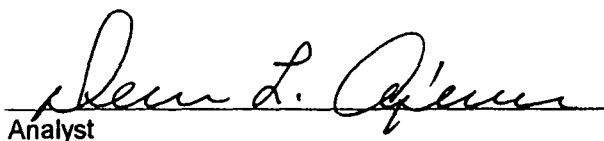
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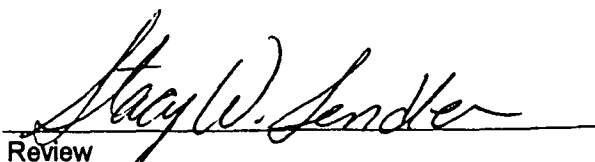
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-19-96
Condition:	Cool & Intact	Date Analyzed:	06-21-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

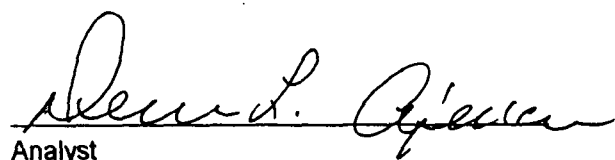
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

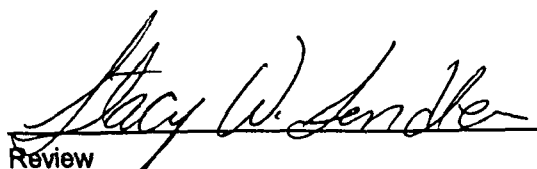
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	06-21-96
Laboratory Number:	06-19-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	06-19-96
Condition:	Cool & Intact	Date Analyzed:	06-21-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	100%

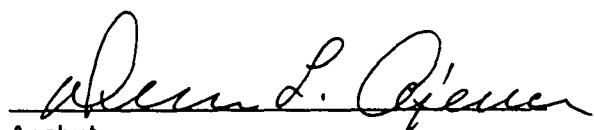
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

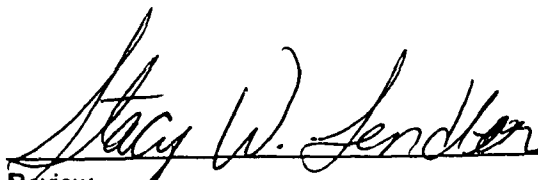
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	06-21-96
Laboratory Number:	06-21-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-21-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	100 %

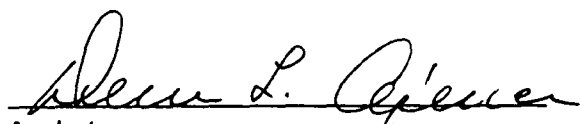
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

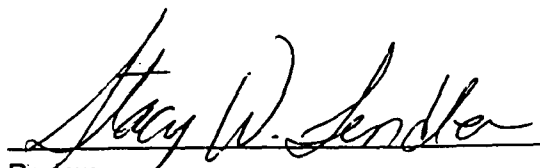
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	06-19-96
Condition:	N/A	Date Analyzed:	06-21-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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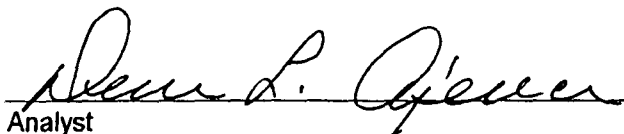
8090 Compounds

30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 06-19-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 06-21-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 06-19-96
Date Analyzed: 06-21-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

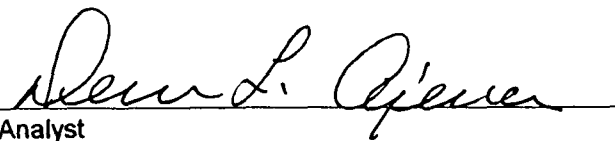
ND - Parameter not detected at the stated detection limit.

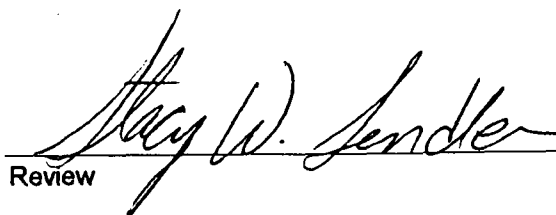
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 06-21-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 06-21-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 06-21-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

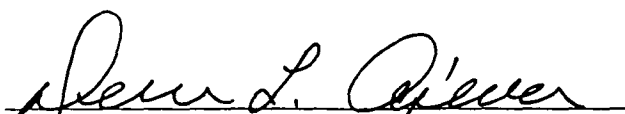
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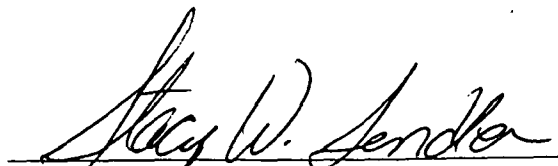
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A249 - A250.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.101	101%
Barium	1.00	1.81	2.81	100%
Cadmium	0.050	0.011	0.061	100%
Chromium	0.050	ND	0.049	98%
Lead	0.100	1.58	1.68	100%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	ND	0.099	99%
Silver	0.050	ND	0.051	102%

ND - Parameter not detected at the stated detection limit.

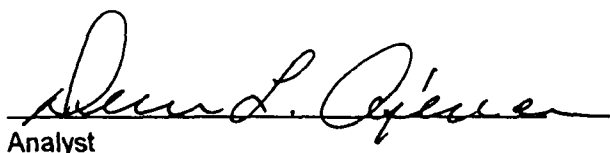
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

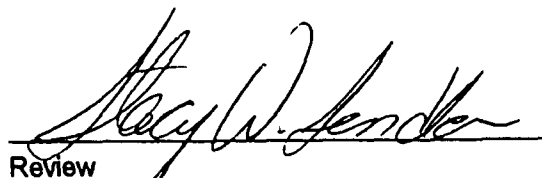
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A249 - A251.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	06-21-96
Laboratory Number:	A249	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	1.81	1.82	0.6%
Cadmium	0.011	0.011	0.0%
Chromium	ND	ND	0.0%
Lead	1.58	1.58	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

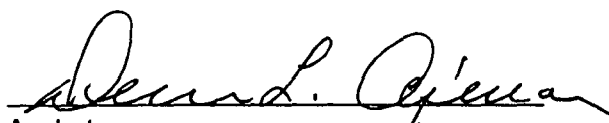
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

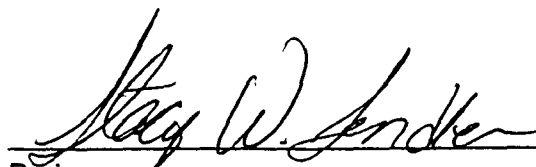
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A249 - A251.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	06-21-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	06-21-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

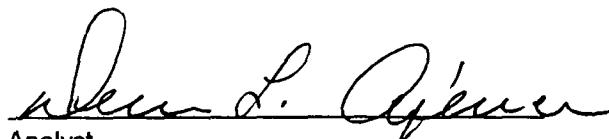
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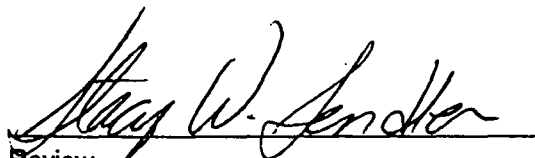
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A249 - A251.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Philip Environmental Services						Project Location Ciniza Cruda Terminal Inc.							ANALYSIS/PARAMETERS									
Sampler (Signature) <i>[Signature]</i>						Chain of Custody Tape No. # 96036-05																
Sample No./ Identification		Sample Date		Sample Time		Lab Number		Sample Matrix		No. of Containers	RCRA CHNAC.	TCLP Volatiles	TCLP Metals	TCLP Herbicides	TCLP Pesticides	TCLP SVOCs	Remarks					
Composite #1		6-18-96		11:40		A 249		Soil		2	/	/	/	/	/	/	Tank Bottoms Cleanup under Tank					
Composite #2		6-18-96		11:54		A 250		Soil		2	/	/	/	/	/	/	Cutting oil contaminated soil.					
																	Need approval from					
																	Martin Nee @ Phillips					
																	OK FMB 6-19-96 2:00 PM					
Relinquished by: (Signature)						Date	Time	Received by: (Signature)								Date	Time					
<i>[Signature]</i>						6-18-96	13:21	<i>[Signature]</i>								6-18-96	13:21					
Retlinquished by: (Signature)								Received by: (Signature)														
Retlinquished by: (Signature)								Received by: (Signature)														
Results to : MARTIN NEE Philip Env., ERS Services, Inc. 4000 Monroe Rd Farmington, NM 87401																						
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615																						

Act I - (505) 393-6161
Box 1980
Act II - (505) 8241-1980
First
a. NM 88210
Act III - (505) 334-6178
Rio Brazos Road
NM 87410
Act IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>BT SERVICES</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>BT SERVICES</u> <u>S. Side River Rd</u>
6. Management Facility Destination <u>Envirotech Soil Remediation Fac.</u> <u>Landfarm #2</u>	6. Transporter <u>Envirotech</u>
7. Address of Facility Operator <u>5796 U.S. Highway 64</u> <u>Farmington, NM 87401</u>	8. State <u>NM</u>
9. Location of Material (Street Address or ULSTR) <u>3250 South S 100 River Rd, Smgt, NM</u>	
10. 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. 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:

Wash Bay Solids

RECEIVED
JUL 17 1996

RECEIVED
JUL 10 1996

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

Estimated Volume 44 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [Signature] TITLE: Landfarm Manager DATE: 7/9/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: [Signature] TITLE: Geologist DATE: 7/11/96
APPROVED BY: [Signature] TITLE: Geologist DATE: 7/15/96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>BJ SERVICES</u>
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site <u>BJ SERVICES</u> <u>S. FIVE RIVER Rd</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Fac.</u> <u>Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64</u> <u>Farmington, NM 87401</u>	8. State <u>NM</u>
7. Location of Material (Street Address or ULSTR) <u>3250 South S</u> <u>Five River Rd, Farm, NM</u>	
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. 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:

Wash Bay Solids

RECEIVED
JUL 10 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 44 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [Signature]
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: 7/9/96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: [Signature]

TITLE: Geologist

DATE: 7/11/96

APPROVED BY: _____

TITLE: _____

DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: BT Service, 3250 Southside River Road, Farmington
Source: Wash bay dirt.
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for BT Service
concur with the status of the waste from the subject site.

Name Les Baugh
Title/Agency Facilities Supervisor
Address 3250 Southside River Road
Farmington, New Mexico
Signature Les Baugh
Date 7/9/96

Client:	BJ Services/Western	Project #:	92101
Sample ID:	5 - Point Composite	Date Reported:	12-01-95
Lab ID#:	9695	Date Sampled:	11-30-95
Sample Matrix:	Soil	Date Received:	11-30-95
Preservative:	Cool	Date Analyzed:	12-01-95
Condition:	Cool & Intact	Chain of Custody:	4586

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 8.02

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

IGNITABILITY: Sample ignition upon direct contact with flame indicates hazardous waste status.

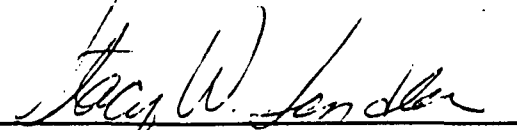
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Sample taken from Southside River Road.
Farmington, NM.


Analyst


Review

Client:	B.J. Services / Western Co.	Project #:	92101
Sample ID:	5 Point Composite	Date Reported:	12-05-95
Laboratory Number:	9695	Date Sampled:	11-30-95
Chain of Custody:	4586	Date Received:	11-30-95
Sample Matrix:	Soil	Date Extracted:	12-01-95
Preservative:	Cool	Date Analyzed:	12-05-95
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

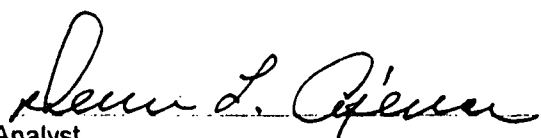
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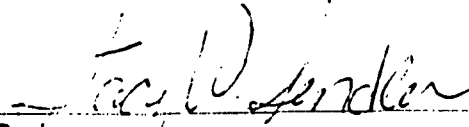
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **Southside River Rd., Farmington, NM.**


Analyst


Review

Client:	B.J. Services / Western Co.	Project #:	92101
Sample ID:	5 point Composite	Date Reported:	12-04-95
Laboratory Number:	9695	Date Sampled:	11-30-95
Chain of Custody:	4586	Date Received:	11-30-95
Sample Matrix:	Soil	Date Extracted:	12-01-95
Preservative:	Cool	Date Analyzed:	12-04-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

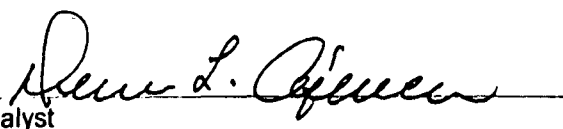
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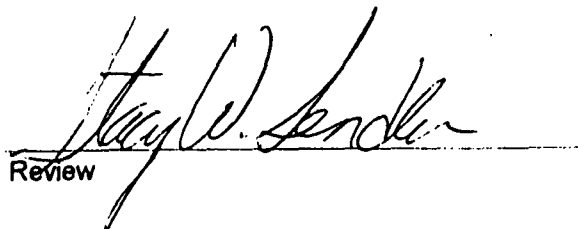
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	103%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Southside River Rd., Farmington, NM.


Analyst


Review

Client:	B.J. Services / Western Co.	Project #:	92101
Sample ID:	5 - Point Composite	Date Reported:	12-06-95
Laboratory Number:	9695	Date Sampled:	11-30-95
Chain of Custody:	4586	Date Received:	11-30-95
Sample Matrix:	Soil	Date Analyzed:	12-06-95
Preservative:	Cool	Date Extracted:	12-01-95
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	2.18	0.01	100
Cadmium	0.101	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.843	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.1	5.0

ND - Parameter not detected at the stated detection limit.

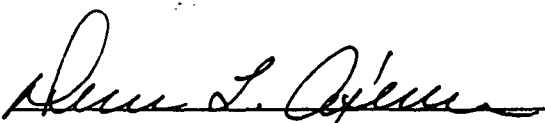
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

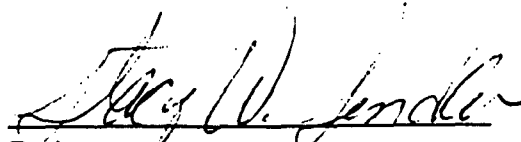
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Southside River Rd., Farmington, NM.


Analyst


Review

Client:	B.J. Services / Western Co.	Project #:	92101
Sample ID:	5 point Composite	Date Reported:	12-06-95
Laboratory Number:	9695	Date Sampled:	11-30-95
Chain of Custody:	4586	Date Received:	11-30-95
Sample Matrix:	Soil	Date Extracted:	12-01-95
Preservative:	Cool	Date Analyzed:	12-05-95
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	100%
	2,4,6-Tribromophenol	100%

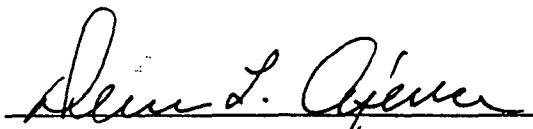
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

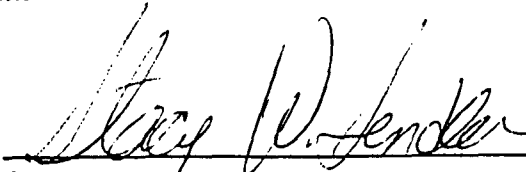
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Southside River Rd., Farmington, NM.**


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-05-95
Laboratory Number:	12-05-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	12-05-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

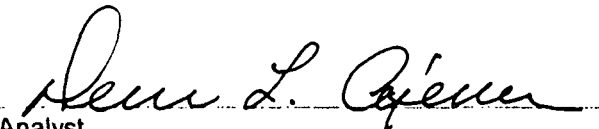
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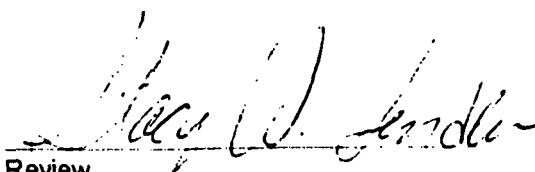
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	102%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9695 and 9697.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 12-01-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 12-05-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: 12-01-95
Date Analyzed: 12-05-95
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

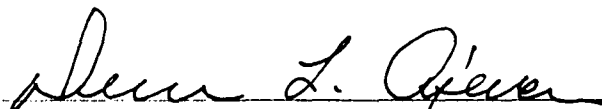
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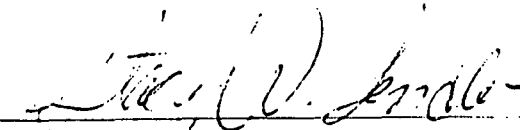
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	103%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9695 and 9697.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: 9695
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 12-05-95
Date Sampled: N/A
Date Received: N/A
Date Extracted: 12-01-95
Date Analyzed: 12-05-95
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

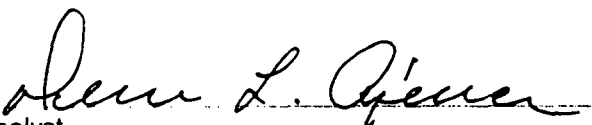
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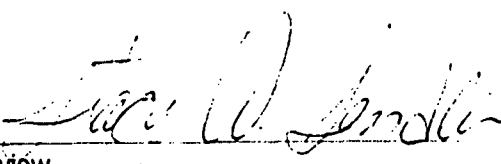
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples 9695 and 9697.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-04-95
Laboratory Number:	12-04-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-04-95
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

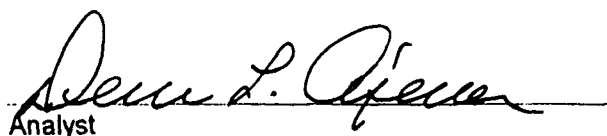
ND - Parameter not detected at the stated detection limit.

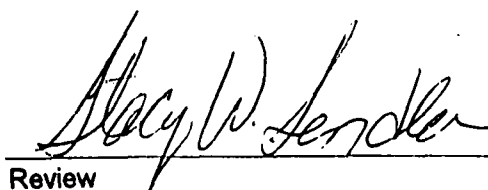
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	101%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9695.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-04-95
Laboratory Number:	12-01-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-04-95
Condition:	N/A	Date Extracted:	12-01-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0002	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0002	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0001	0.5
Tetrachloroethene	ND	0.0002	0.7
Chlorobenzene	ND	0.0001	100
1,4-Dichlorobenzene	ND	0.0001	7.5

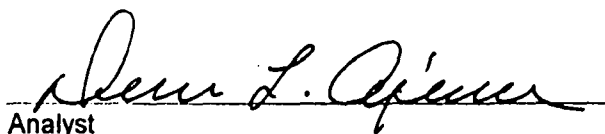
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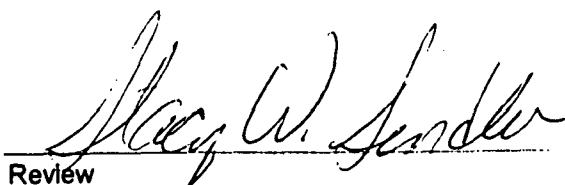
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	103%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9695.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-04-95
Laboratory Number:	9695	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-04-95
Condition:	N/A	Date Extracted:	12-01-95

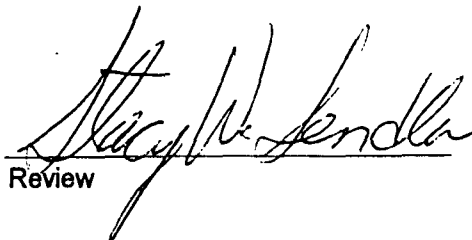
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0002	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0002	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0001	0.0%
Tetrachloroethene	ND	ND	0.0002	0.0%
Chlorobenzene	ND	ND	0.0001	0.0%
1,4-Dichlorobenzene	ND	ND	0.0001	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9695.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: 9695
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

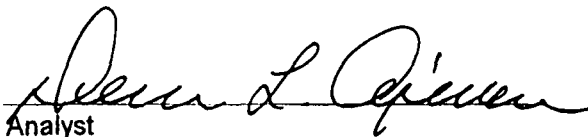
Project #: N/A
Date Reported: 12-04-95
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12-04-95
Date Extracted: 12-01-95

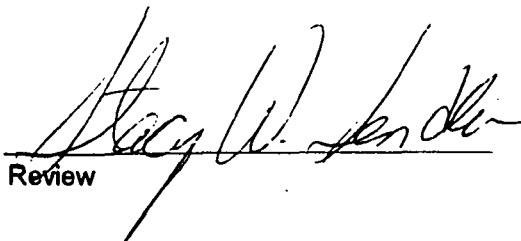
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0216	0.0002	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0197	0.0002	98%	43-143
2-Butanone (MEK)	ND	0.020	0.0209	0.0001	96%	47-132
Chloroform	ND	0.020	0.0200	0.0002	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0198	0.0001	98%	43-143
Benzene	ND	0.020	0.0197	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.020	0.0194	0.0001	97%	51-147
Trichloroethene	ND	0.020	0.0194	0.0001	97%	35-146
Tetrachloroethene	ND	0.020	0.0201	0.0002	99%	26-162
Chlorobenzene	ND	0.020	0.0199	0.0001	99%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0210	0.0001	98%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample 9695.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	12-06-95
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-06-95
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.1

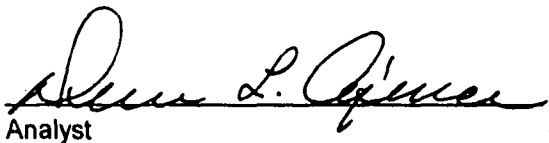
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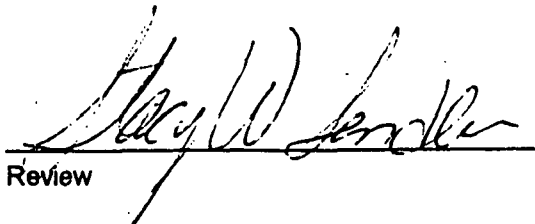
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9695.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-06-95
Laboratory Number:	9695	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-06-95
Condition:	N/A	Date Extracted:	12-01-95

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	2.18	2.11	3.3%
Cadmium	0.101	0.104	2.9%
Chromium	ND	ND	0.0%
Lead	0.843	0.844	0.1%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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Trace Metals

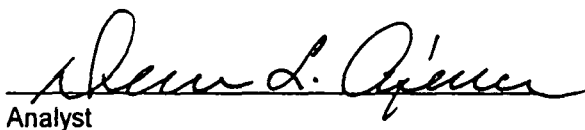
30 %

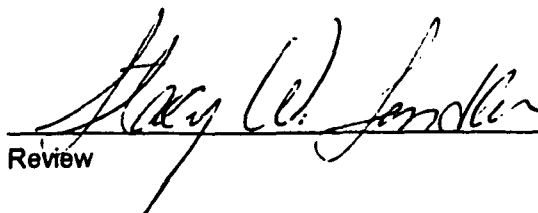
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9695.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	12-06-95
Laboratory Number:	9695	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-06-95
Condition:	N/A	Date Extracted:	12-01-95

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.100	100%
Barium	1.00	2.18	3.22	101%
Cadmium	0.100	0.101	0.202	100%
Chromium	0.100	ND	0.099	99%
Lead	0.100	0.843	0.943	100%
Mercury	0.050	ND	0.049	98%
Selenium	0.100	ND	0.099	99%
Silver	1.0	ND	0.99	99%

ND - Parameter not detected at the stated detection limit.

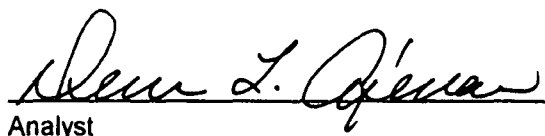
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

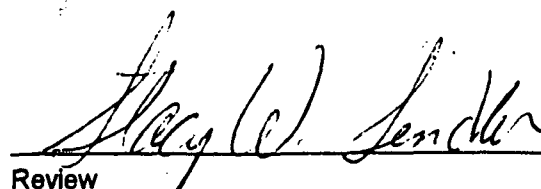
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA.

Comments: QA/QC for sample 9695.


Analyst


Review

**Quality Assurance Report
Laboratory Blank**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-06-95
Laboratory Number:	12-05-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-05-95
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-tribromophenol	104 %

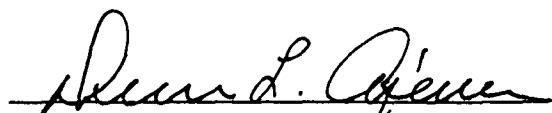
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

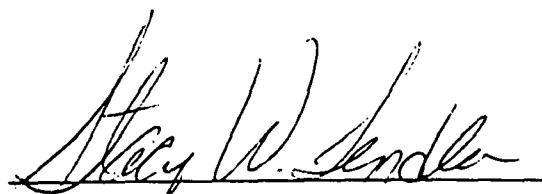
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9695.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-06-95
Laboratory Number:	12-01-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-01-95
Condition:	Cool & Intact	Date Analyzed:	12-05-95
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	103%
	2,4,6-Tribromophenol	103%

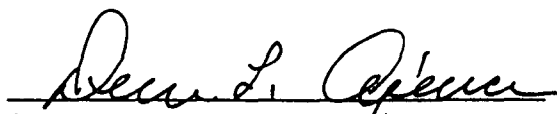
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

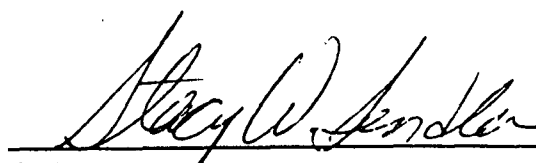
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9695.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-06-95
Laboratory Number:	9695	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-01-95
Condition:	Cool & Intact	Date Analyzed:	12-05-95
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

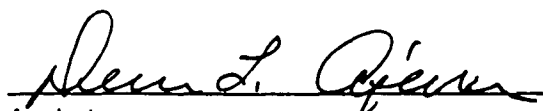
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

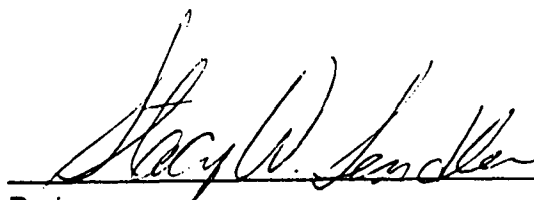
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample 9695.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name 92101 BSS Services / Western			Project Location South Side Riv. Rel. Farmington NM		ANALYSIS/PARAMETERS								
Sampler: (Signature) Nathan Spencer			Chain of Custody Tape No.		No. of Containers 1	TCLP ✓	RCL ✓						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
5 Pt. Composite	11/30/95	1345	9695	Soil									
Relinquished by: (Signature) Nathan Spencer			Date 11/30/95	Time 1407	Received by: (Signature) L. Cepeda			Date 11/30/95	Time 1407				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								

ENVIROTECH INC.

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

audit
2-7-97
96003-09

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Verbal Danner Faust OCP 7-2-96 9:30 AM</i>	4. Generator E.P.F.S.
2. Management Facility Destination <i>ENVIRO-TECH LANDFARM #2</i>	5. Originating Site <i>Liquidity Separator Pit</i>
3. Address of Facility Operator <i>5796 U.S. Highway 64</i>	6. Transporter <i>Danner Trucking</i>
7. Location of Material (Street Address or ULSTR)	8. State <i>New Mexico</i>
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. 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.	

IF DESCRIPTION OF MATERIAL:

Sludge remaining in a field liquids separator pit following evaporation of liquids. Field liquids from various locations

DATE	BOL	WOL	
7/9/96	8326	160	BAL - 100 cy Lf 2 grid N9
7/10/96	8329	486	BAL - 60 cy Lf 5 " A18
7/11/96	8356	200	BAL - 220 cy Lf 5 " N9
7/12/96	9481	180	BAL - 130 cy Lf 5 " O18
7/13/96	9482	80	BAL
7/16/96	8350	70	BAL
7/17/96	8396	105	BAL

RECEIVED
JUL 03 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 320 bbls cy Known Volume (to be entered by the operator at the end of the haul) 1205 bbls cy

SIGNATURE: *Harold M. Brown* TITLE: Landfarm MGR DATE: 7-2-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: _____ TELEPHONE NO. _____

(This space for State Use)

ROVED BY: *Denny G. Faust* TITLE: Geologist DATE: 7/31/96
APPROVED BY: *Ernie B...* TITLE: 4 DATE: 4

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

(ADJACENT TO LINDRATH PLANT)

Originating Location: LINDRATH SEPARATOR PIT (SEC 18; 24N; 5W)
Source: FIELD LIQUIDS FROM VARIOUS LOCATIONS
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Field Services,
concur with the status of the waste from the subject site.

Name SANDRA D. MILLER
Title/Agency SUPERINTENDENT
EPFS
Address PO BOX 4590
FARMINGTON, NM 87401
Signature Sandra D Miller
Date 7/2/96

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

96003-09

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Verbal Dawn Foster OCP 7-2-96 9:30 AM</i>	4. Generator E.P.F.S.
2. Management Facility Destination <i>ENVIRONMENTAL LANDFARM #2</i>	5. Originating Site <i>Liquids Separator Pit</i>
3. Address of Facility Operator <i>5796 U.S. Highway 64</i>	6. Transporter <i>Dawn Foster</i>
7. Location of Material (Street Address or ULSTR)	8. State <i>New Mexico</i>
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. 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:

Sludge remaining in a field liquids separator pit following evaporation of liquids. Field liquids from various locations

*to OCP
7-3-96*

Estimated Volume 320 bbls cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *Alan M. Brown* TITLE: Land Farm MGR. DATE: 7-2-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: _____ TELEPHONE NO. _____

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

(ADJACENT TO LINDRITH PLANT)

Originating Location: LINDRITH SEPARATOR PIT (SEC 18; 24N; 5W)Source: FIELD LIQUIDS FROM VARIOUS LOCATIONSDisposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Field Services,
concur with the status of the waste from the subject site.

Name SANDRA D. MILLERTitle/Agency SUPERINTENDENT
EPFSAddress PO BOX 4570
FARMINGTON, NM 87401Signature Sandra D MillerDate 7/2/96

District I - (505) 393-6161
P.O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

CLIENT

Form
Originated 4

Submit Or
Plus 1
to appx
District

92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ <i>Denny, font</i> 09:47 / 6-20-96	4. Generator <i>Meridian Val Verde Plant.</i>
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site <i>Val Verde Plant</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm No. 2 Hilltop, NM</i>	6. Transporter <i>Envirotech Inc</i>
3. Address of Facility Operator <i>5796 Hwy. 64-3014 Farmington, NM</i>	8. State <i>NM</i>
7. Location of Material (Street Address or ULSTR) <i>Val Verde Plant</i>	
9. <u>Circle One:</u> 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. 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:

Continuation of Charcoal filter Media

DATE: *6/21/96*
BOH: *0497*
Lf#: *2*
Epid: *E 24*
amk: *20 cy*

RECEIVED
JUL 01 1996
OIL CON. DIV.
DIST. 3

Estimated Volume *16 cy* cy Known Volume (to be entered by the operator at the end of the haul) *20* cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Supervisor* DATE: *6/20/96*
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: *Harlan M. Brown* TELEPHONE NO. *505-632-0615*

(This space for State Use)

APPROVED BY: *Denny G. Font* TITLE: *Geologist* DATE: *7/1/96*
APPROVED BY: *Eric Bush* TITLE: *u* DATE: *-*

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

92197

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Val Verde Plant
Source: Charcoal Filter Media
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name Keith M. Boudacher
Title/Agency sr. Staff Env. Rep
Address P.O. Box 4289
Farmington, NM 87499-4289
Signature Keith M. Boudacher
Date 6/20/96

Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87489

92197

**Safety and
Environmental**

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 16 Cubic Yards ☒ Barrels ☐ Gallons
3. Description of Waste: Activated Charcoal Filter Media
4. Method of Waste Generation: Filtration of MDEA
5. Disposal Facility: Envirotech Inc.
6. Disposal Cost: \$16/yd³
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

Kirk M. Roudsden
(signature)Date 6/20/96**MOI
Representative**Transportation Company: EnvirotechDate(s) Transported: 6-21-96

MOI Representative on Site

Bert Shuford Date 6-21-96
(signature)

Disposal Facility
Complete and
return to
Meridian
Safety and
Environmental
with Invoice.

Date(s) Received: 6-21-96Total Volume Received: 16 yds

Waste Location: Cell/Grid No. _____

Received By: Cristie Drayton

(signature)

6-21-96

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96052

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator PHILLIPS Petroleum
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site 29-6 #301 Settling TANK
2. Management Facility Destination Envirotech Soil Remediation Fac. Landfarm #2	6. Transporter Sunco
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	T29N R6W, SEC. N.W.
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. 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:

Sludge generated at a settling tank for produced water to be injected @ a water disposal unit

12.23.96
BOL 10067

80 bbls

MTL

12.24.96

90 cy To LF2: units: S-7

1996

RECEIVED
FEB 12 1997

OIL CON. DIV.
DIST. 3

Estimated Volume 87 bbl. cy Known Volume (to be entered by the operator at the end of the haul) 80 bbl. cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-17-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 2/12/97
APPROVED BY: Johnny Robinson TITLE: Field Rep II DATE: 2-13-97

Generator Information: Phillips Petroleum Exploration & Production

Client Number: 96052

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Phillips Location 29-6 #301 Settling Tanks
Source: VARIOUS COAL-SEAM & CONVENTIONAL WELLSITE WATER & PIT-TANKS WITHIN 31-6/295,
Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico 305/296

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Phillips Petroleum Co. concur with the status of the waste from the subject site.

Name Robert A. Wirtanen
Title/Agency Sr. Environmental Specialist
Address 5525 Hwy 64
FARMINGTON NEW MEXICO
Signature Robert A. Wirtanen
Date 12-17-96

ENVIROTECH INC.

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

INSPECTION FOR N.O.R.M. CONTAMINATION PHILLIPS PETROLEUM COMPANY

Location: 29-6 SWD Date: 12-11-96

Survey Instrument Model: Ludlum 3 Last Calibrated: 6-24-96

Item Description: Sample (Approx. 1 Quart) taken from frac tank.
which was used for BS&W removed from Gun Barrel - separate
@ location 29-6 #301

Number of Pieces: 1 Tank - 87 BBL total quantity

Location Where Items Originated: 29-6 SWD Gun barrel - Location 301
VIA Coal seam & conventional well-site water/pit tanks within 31-6/29-5/30-5/29

Background Reading: 12 uR/hr

Highest NORM reading: 0 uR/hr (not corrected for background)

Lowest NORM reading: 0 uR/hr (Not corrected for background)

Any samples taken, if so how many: _____

<u>1</u>	Pieces inspected - <u>Tank contents (Representative sample)</u> <u>87 BBL</u>
<u>1</u>	Pieces found to be free of NORM contamination
<u>0</u>	Pieces found to have NORM contamination

Remarks: _____

Inspector: Don Rakles RA Winters

What is final disposition: will be disposed of @ EnviroTech Landfill

Released to: EnviroTech upon OGD Approval Date: 12-11-96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator <u>E.P.F.S.</u>
Verbal Approval Received: Yes ☒ No ☐	5. Originating Site <u>Various Locations</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Fac. Landfarm #2</u>	6. Transporter <u>Various Service Co.</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Various Locations</u>
9. <u>Circle One:</u> 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. 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:

Various pits Oct / Nov / Dec.

1996

RECEIVED
FEB - 7 1997
OIL CON. DIV.
DIST. 3

Estimated Volume ± 5000 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-7-97
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Faint TITLE: Geologist DATE: 2/12/97
APPROVED BY: Johnny Robinson TITLE: Field Rep II DATE: 2-13-97

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: A list of pit closures is attached, October to December 1996

Source: Various dehydrator and drip pits in the state of New Mexico

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the _____
concur with the status of the waste from the subject site.

Name Ricky D Cosby

Title/Agency Compliance Specialist

Address P O Box 4990
Farmington New Mexico 87499-99

Signature *Ricky D. Cosby*

Date 1-15-97

Sheet1

Meter	Location	Coordinates	Closure Date	Data Base		Cubic Yards	Cubic	Envirotech	Cubic	
						Closure	Yards		Yards	
				Closure Date	Form		Envirotech	Billing	Data Base	
LD266	2C-15 Line Drip	F-27-24-05	10/16/96	10/16/96		882	882	864	882	ok
95210	Anderson Gas Com A#1 CH	C-28-29-10	10/24/96	10/24/96		192	192	192	792	???
LD260	Chaco Pig Sys Drip Y-1	D-21-26-12	10/22/96	10/22/96		20	11	11	20	???
14046	Gallegos Canyon Unit D #160	I-27-29-12	10/18/96	10/18/96		1260	1098	1098	1278	???
LD265	Trunk 11-S	I-24-25-04	10/14/96	9/27/96		388	180	406	388	???
75155	Ramona Et Al #1	J-13-27-09	10/4/96	10/3/96		432	432	432	432	ok
03906	Gallegos Canyon Unit Com A #142E	G-25-29-12	10/16/96	10/16/96		1044	1026	1026	882	???
LD262	Largo Pig System Drip Y-1	H-15-28-07	10/11/96	10/11/96		864	864	864	864	???
LD259	Trk C Loop Drip X-2	P-36-29-09	9/7/96	9/7/96		90	90	90	90	ok ✓
						5172	4775	4963	5448	

75155- Reported to OCD on October 14, 1996

LD262- Reported to OCD on October 14, 1996

Harley J. (505) 393-6161
O. Box 1980
Tobbs, NM 88241-1980
Harley II (505) 748-1283
11 S. First
Rosita, NM 88210
Harley III (505) 334-6178
Rio Brazos Road
Rosita, NM 87410
Harley IV (505) 827-7131

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

Form C-1
Originated &

Submit Orig
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to approp
District 0

Env JN: 91362

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Halliburton Energy Service
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Acid Rack Demolition
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	4109 East Main Farmington, New Mexico
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. 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:

Soils excavated during demolition & reconstruction of Acid Rack
Terminal @ Farmington Main YARD.

RECEIVED
JAN - 2 1997

OIL CON. DIV.
DIST. 3

RECEIVED
DEC 27 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 30 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-24-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 12/30/96
APPROVED BY: Bureau Chief TITLE: Bureau Chief DATE: 1/3/97

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Farmington, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
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to appropriate
District Office

Env JN: 91362

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Halliburton Energy Services
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Acid Rack Demolition
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	4109 East Main Farmington, New Mexico
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. 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:

Soils excavated during demolition & reconstruction of Acid Rack Terminal @ Farmington Main Yard.

RECEIVED
DEC 27 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 30 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-24-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Faint TITLE: Geologist DATE: 12/30/96
APPROVED BY: TITLE: DATE:

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: MAIN ST YARD
Source: ACID LOADING DOCK
Disposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for HALLIBURTON ENERGY SERVICES concur with the status of the waste from the subject site.

Name RJ GREENAKER
Title/Agency SERVICE EQUIPMENT OPERATOR
Address 4109 E. MAIN ST.
FARMINGTON, NM
Signature RJ Greenaker
Date Dec 24, 1996

Halliburton Energy Services
Acid Rack Soils

91362

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ * Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ * Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ * Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chloroform	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ * Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ * Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

*-EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

December 23, 1996

Mr. Jim Haney
Halliburton Energy Services, Inc.
4109 East Main Street
Farmington, New Mexico 87401

Project No.: 91362

Dear Mr. Haney,

Enclosed are the analytical results for the sample collected from the "Acid Rack Soil" located at 4109 E. Main St. in Farmington, New Mexico. One sample of acid rack soil was collected by Envirotech personnel on December 13, 1996, and delivered to the Envirotech laboratory on December 13, 1996 for Hazardous Waste Characterization analysis (Volatiles, Semi-Volatiles, Trace Metals, Corrosivity, Ignitability, and Reactivity).

The sample was documented on Envirotech Chain of Custody No. 5033 and assigned Laboratory No. A827 for tracking purposes. The sample was analyzed 12/13/96 through 12/20/96 using USEPA or equivalent methods.

Results of the analysis indicate that the material from the referenced "Acid Rack Soil" is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler

Stacy W. Sandler
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enc.

SWS/sws

91362/tclp1296.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton Energy Services	Project #:	91362
Sample ID:	Acid Rack Soil	Date Reported:	12-19-96
Lab ID#:	A827	Date Sampled:	12-13-96
Sample Matrix:	Soil	Date Received:	12-13-96
Preservative:	Cool	Date Analyzed:	12-16-96
Condition:	Cool & Intact	Chain of Custody:	5033

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 6.99

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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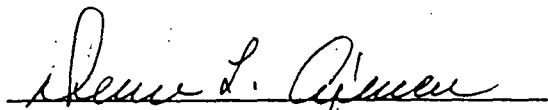
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

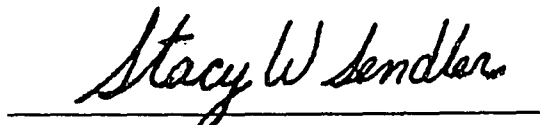
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Halliburton Energy Services	Project #:	91362
Sample ID:	Acid Rack Soil	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	12-13-96
Chain of Custody:	5033	Date Received:	12-13-96
Sample Matrix:	Soil	Date Extracted:	12-16-96
Preservative:	Cool	Date Analyzed:	12-18-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

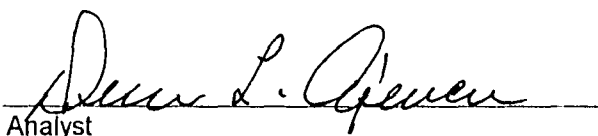
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS

Client:	Halliburton Energy Services	Project #:	91362
Sample ID:	Acid Rack Soil	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	12-13-96
Chain of Custody:	5033	Date Received:	12-13-96
Sample Matrix:	Soil	Date Extracted:	12-16-96
Preservative:	Cool	Date Analyzed:	12-19-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	101%
	2,4,6-Tribromophenol	99%

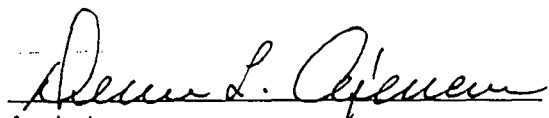
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

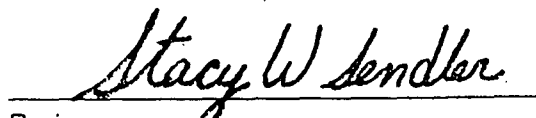
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090

Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	Halliburton Energy Services	Project #:	91362
Sample ID:	Acid Rack Soil	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	12-13-96
Chain of Custody:	5033	Date Received:	12-13-96
Sample Matrix:	Soil	Date Extracted:	12-16-96
Preservative:	Cool	Date Analyzed:	12-18-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

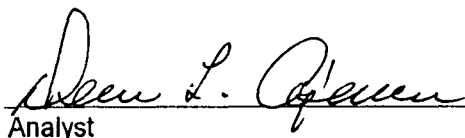
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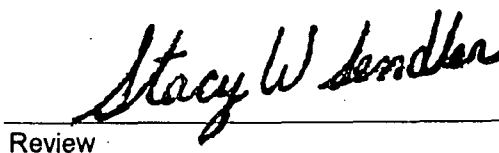
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


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Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton Energy Services	Project #:	91362
Sample ID:	Acid Rack Soil	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	12-13-96
Chain of Custody:	5033	Date Received:	12-13-96
Sample Matrix:	Soil	Date Analyzed:	12-19-96
Preservative:	Cool	Date Extracted:	12-16-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	0.65	0.01	100
Cadmium	0.016	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.001	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	0.005	0.001	5.0

ND - Parameter not detected at the stated detection limit.

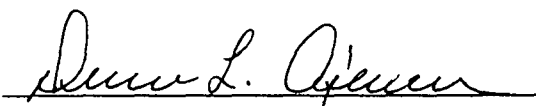
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


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Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-19-96
Laboratory Number:	12-18-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-18-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

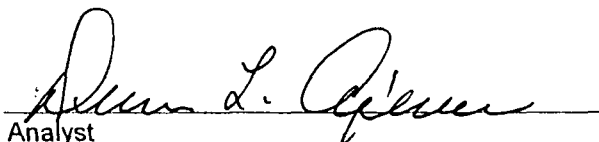
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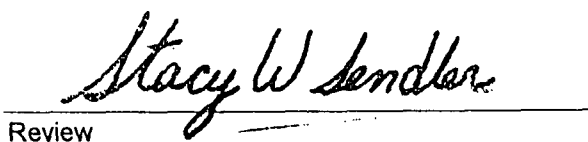
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

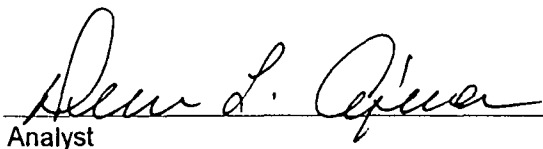
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-18-96
Condition:	N/A	Date Extracted:	12-16-96

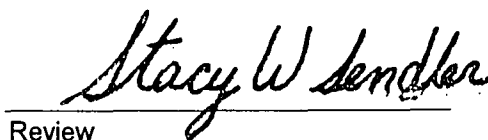
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: A827
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

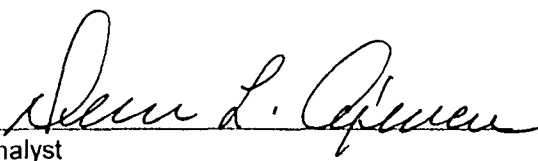
Project #: N/A
Date Reported: 12-19-96
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12-18-96
Date Extracted: 12-16-96

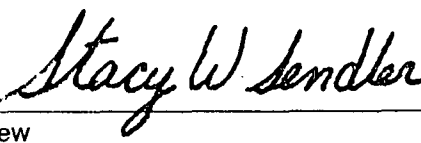
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0199	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0199	0.0001	98%	43-143
2-Butanone (MEK)	ND	0.020	0.0195	0.0001	97%	47-132
Chloroform	ND	0.020	0.0199	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0196	0.0001	98%	43-143
Benzene	ND	0.020	0.0200	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.020	0.0194	0.0001	97%	51-147
Trichloroethene	ND	0.020	0.0198	0.0003	99%	35-146
Tetrachloroethene	ND	0.020	0.0194	0.0005	97%	26-162
Chlorobenzene	ND	0.020	0.0195	0.0003	97%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0201	0.0002	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A827.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-19-96
Laboratory Number:	12-18-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-19-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	99 %

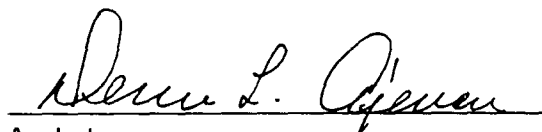
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

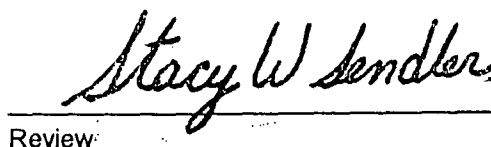
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-19-96
Laboratory Number:	12-16-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-16-96
Condition:	Cool & Intact	Date Analyzed:	12-19-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

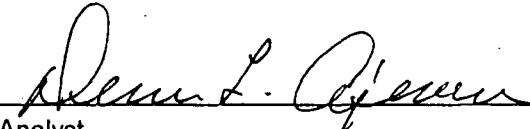
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

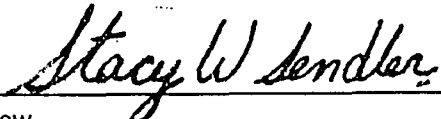
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A827.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-16-96
Condition:	Cool & Intact	Date Analyzed:	12-19-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

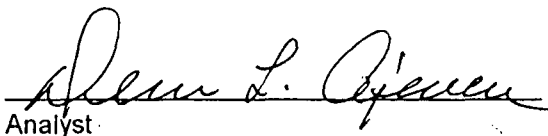
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

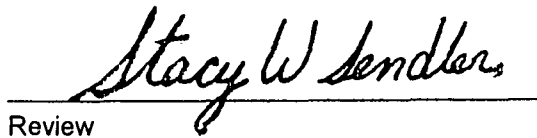
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 12-18-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 12-19-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 12-18-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

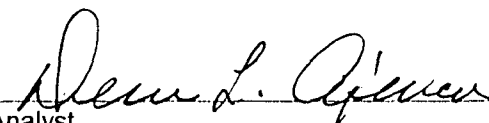
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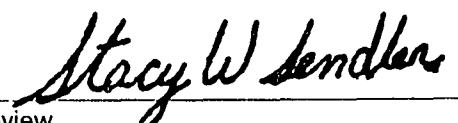
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-19-96
Laboratory Number:	12-16-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-16-96
Condition:	Cool and Intact	Date Analyzed:	12-18-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
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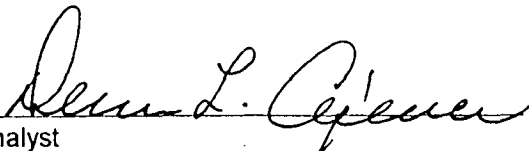
2-fluorobiphenyl

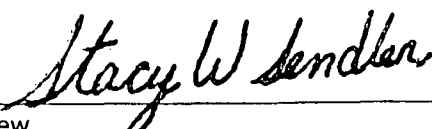
99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: A827
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 12-19-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 12-16-96
Date Analyzed: 12-18-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

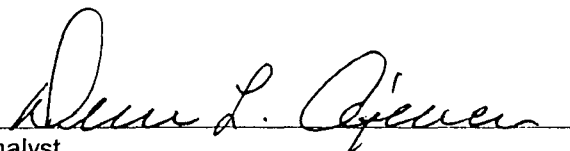
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	12-19-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-19-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

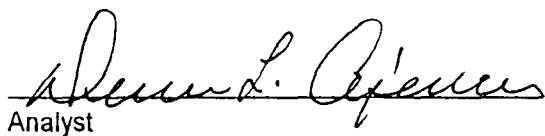
ND - Parameter not detected at the stated detection limit.

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A827.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-19-96
Condition:	N/A	Date Extracted:	12-16-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	ND	ND	0.0%
Barium	0.65	0.66	1.5%
Cadmium	0.016	0.015	6.5%
Chromium	ND	ND	0.0%
Lead	0.001	0.001	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	0.005	0.005	0.0%

ND - Parameter not detected at the stated detection limit.

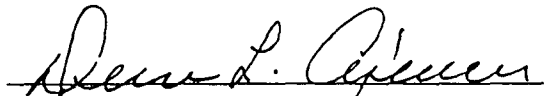
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

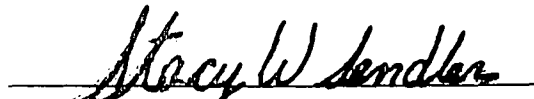
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A827.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	12-19-96
Laboratory Number:	A827	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-19-96
Condition:	N/A	Date Extracted:	12-16-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	ND	0.099	99%
Barium	1.00	0.65	1.65	100%
Cadmium	0.050	0.016	0.066	100%
Chromium	0.050	ND	0.049	98%
Lead	0.100	0.001	0.101	100%
Mercury	0.025	ND	0.024	96%
Selenium	0.100	ND	0.099	99%
Silver	0.050	0.005	0.055	100%

ND - Parameter not detected at the stated detection limit.

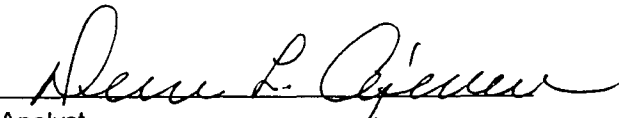
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

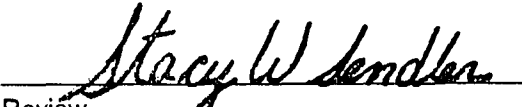
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

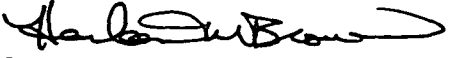
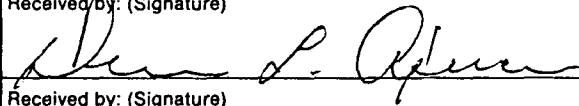
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for sample A827.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Harrisburg Energy Services			Project Location 409 E Main, Farmington, N.M.		ANALYSIS/PARAMETERS								
Sampler: (Signature) 			Chain of Custody Tape No. 91362		No. of Containers 1	TCLP 3/6 H&A ✓							Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
Acid Rock Soil	12-13-96	15:40	A827	Soil									
Relinquished by: (Signature) 			Date 12-13-96	Time 16:00	Received by: (Signature) 			Date 12-13-96	Time 1600				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

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Env JN: 92187

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ 2. Management Facility Destination: Envirotech Soil Remediation Facility Landfarm #2 3. Address of Facility Operator: 5796 U.S. Highway 64 Farmington, NM 87401 7. Location of Material (Street Address or ULSTR): 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. 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.	4. Generator: Western Gas Resources 5. Originating Site: San Juan River Plant 6. Transporter: ENVIROTECH 8. State: New Mexico 99th Road 6500, Kirtland, NM. ERUIC BUSH 9-3-96 9:35 A.M.
--	--

BRIEF DESCRIPTION OF MATERIAL:

Pigging Solids From Natural Gas Gathering System

Received
10 cy.
9-3-96
LF2: F14
BOL# 9638

RECEIVED
DEC 27 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 8-12 cy Known Volume (to be entered by the operator at the end of the haul) 10 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9-3-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Faut TITLE: Geologist DATE: 12/30/96
APPROVED BY: Ernie Barch TITLE: Geologist DATE: 12/30/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Western Gas Resources San Juan River Plant (Inlet)
Source: Natural gas gathering system (gathering solids)
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hillton, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Western Gas Resources
concur with the status of the waste from the subject site.

Name Tim Bates
Title/Agency Field Lead
Address P.O. Box 70 Kirtland, N.M. 87417
Signature Tim Bates
Date 9-3-96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

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District Office

Env JN: 92187

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Denny Faust 10/15/96 10:30 a.m.</i>	4. Generator <i>Waste Gas Resources</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>San Juan River Plant</i>
3. Address of Facility Operator <i>5796 U.S. Highway 64 Farmington, NM 87401</i>	6. Transporter <i>Envirotech</i>
7. Location of Material (Street Address or ULSTR)	8. State <i>New Mexico</i>
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. 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:

Solids from Pipeline Digging operations.

*Rec'd
10 cy.
10-15-96
BOL 9785
LF#2: F.14*

RECEIVED
DEC 27 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 15 cy Known Volume (to be entered by the operator at the end of the haul) 10 cy cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10-15-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Faust TITLE: Geologist DATE: 12/30/96
APPROVED BY: ? TITLE: ? DATE: 12/30/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: San Juan River Plant - Kirtland N.M.
Source: Solids from pipeline pigging operations
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Western Gas Resources concur with the status of the waste from the subject site.

Name Tim Bates
Title/Agency Field Lead
San Juan River Plant
Address 99 N. 6500
Kirtland, N.M. 87417
Signature Tim Bates
Date 10-15-96

APPROVED BY: Wenny R. Fout TITLE: Geologist DATE: 12/30/96

APPROVED BY: Ernie Busch TITLE: Geologist DATE: 12/30/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

Verbal Approval
Equi-Basu
11-7-96
8:05

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: and Verde Plants
Source: Charcoal Filtering
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Burlington Resources
Meridian Oil Inc.
concur with the status of the waste from the subject site.

Name Craig A. Bock
Title/Agency Environmental Representative
Address P.O. Box 4289
Farmington New Mexico 87499-4289
Signature Craig A. Bock
Date 11/7/96

Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: Cubic Yards Barrels Gallons
3. Description of Waste: Charcoal Filter Media
4. Method of Waste Generation: Charcoal is used to filter the MDEA at the plant. MDEA is used to remove CO2 from the gas stream.
5. Disposal Facility: Enviro Tech
6. Disposal Cost: \$16,400³
7. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

7-14-1964
(signature)

Date 11/7/96

MOI
Representative

Transportation Company:

Date(s) Transported:

MOI Representative on Site

(signature)

Date _____

**Disposal Facility
Complete and
return to
Mendian
Safety and
Environmental
with Invoice.**

Date(s) Received:

Total Volume Received:

Waste Location : Cell/Grid No.

Received By :

(signature)

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

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District Office

Env JN: 92113

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐	4. Generator Williams Field Service
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	5. Originating Site Hidalgo Plant.
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	6. Transporter Envirotech
7. Location of Material (Street Address or ULSTR)	8. State New Mexico
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. 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:

Turbine oil & Glycol from field gas stream.
Exempt per Roger Anderson & Dennis Faust

Received
Box 9936
10-18-96
2003
LF2: F14

RECEIVED
DEC 27 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 12-14 cy Known Volume (to be entered by the operator at the end of the haul) 20 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10-17-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Dennis G. Faust TITLE: Geologist DATE: 12/30/96

APPROVED BY: Ernie Busch TITLE: Geologist DATE: 12/30/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Milagro Plant Williams Field Services
Source: Twelve 1/2 Glycol From Gas Stream From Field
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Williams Field Services concur with the status of the waste from the subject site.

Name VAL L. CHAPMAN
Title/Agency Lead Mechanic
Address 192 CR 4900
Bloomfield NM 87413
Signature Val L. Chapman
Date 10-12-96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

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Originated 8/8/95

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District Office

Env JN: 92197

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐	Danny Faust 10-15-96 8:00 A.M.	4. Generator Burlington Resources (Meridian)
2. Management Facility Destination Envirotech Soil Remediation Fac. Landfarm #2	5. Originating Site Val Verde Plant	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico	
7. Location of Material (Street Address or ULSTR)	A Sec 14 T 29N R 4W, 53C, NM P.M.	
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. 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:

Charcoal Filtration Media used separate HDEA from Gas Stream

10-16-96

14 cy.

LF 2: D-24.

BOL 9910

RECEIVED
DEC 27 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 14 cy Known Volume (to be entered by the operator at the end of the haul) 14 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10-15-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Danny Faust TITLE: Geologist DATE: 12/30/96

APPROVED BY: Ernie Busch TITLE: Geologist DATE: 12/30/96

ENVIROTECH INC.

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 652-0615

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

D.F. verbal
8:00 A.M.
10-15-96

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: V. V. Plant near Bloomfield, NM
Source: Charcoal Filtering Pods
Disposal Location: Envirotech Soil Remediation Facility (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Burlington Resources,
concur with the status of the waste from the subject site.

Name Craig Beck
Title/Agency Environmental Representative
Address P.O. Box 4289
Farmington, NM 87499-4289
Signature C. Beck
Date 10/15/96

PO Box 4289, Farmington, NM 87499

MERIDIAN-FARMINGTON

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

93115

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ <i>Verbal Approval Denny Foust 11/19/96 7:48am</i>	4. Generator <i>Conoco Inc</i>
2. Management Facility Destination <i>LINDFARM #2</i>	5. Originating Site <i>Farmington B Canal</i>
3. Address of Facility Operator <i>5796 Hwy 64-3014, Farmington, NM 87401</i>	6. Transporter <i>Rosenbaum Const</i>
7. Location of Material (Street Address or ULSTR) <i>Farmington B Canal 15129N/113W</i>	8. State <i>NM</i>
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. ☐ 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:

Clean up of Production Spill Contaminated Soil from around location

11-19-96 9965 50 LF2: F-16
11-20-96 9967 100 LF2: F-16
11-21-96 9940 150 LF2: F16/17
11-22-96 9938 160 LF2: F17
9937 30 LF2: F17
11-23-96 10006 70 LF2: F17/G15
11-26-96 9748 64 LF2: F16

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DEC 27 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 624 cy Known Volume (to be entered by the operator at the end of the haul) 624 cy

SIGNATURE: Robert M. Young TITLE: VP DATE: 11/19/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Robert M. Young TELEPHONE NO. 505 632 0615

(This space for State Use)

APPROVED BY: Denny G. Foust TITLE: Geologist DATE: 12/30/96
APPROVED BY: Ernie Busch TITLE: Geologist DATE: 12/30/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Unit Letter H

Originating Location: FARMINGTON B Conn # 1 (15/29 N/13W)
Source: OLD OIL SPILL AND/OR PRODUCTIONS PIT (CRUDE OIL)
Disposal Location: Envirotech Soil Remediation Facility. (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Conoco Inc.
concur with the status of the waste from the subject site.

Name Carl J. Lay
Title/Agency FIELD SWEET SPEC.
Address 3315 BLOOMFIELD HWY
FARMINGTON, NM 87401
Signature Carl J. Lay
Date 11/19/96

district I - (505) 393-6161
O. Box 1980
obbe, N.M. 88241-1980
district II - (505) 748-1283
1 S. First
tesia, NM 88210
district III - (505) 334-6178
Rio Brazos Road
NM 87410
district IV - (505) 827-7131

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

Form C-1
Originated at

Submit Only
Plus 1 C
to appropriate
District Office

Env JN: 96030

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator K.N. ENERGY
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Slick Rock Gas Gathering Plant
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter TBA
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State Colo → New Mexico
7. Location of Material (Street Address or ULSTR)	NW 1/4 Sec 25, T44N, R19W, N44PM
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. 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.	San Miguel, Colo

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Precipitated amine sludge from vessels at a gas processing plant serving a gathering system near Slick Rock, Co.

TCLP Metals Analysis & Gross Alpha / Gross Beta analysis ATTACHED

Also ATTACHED Colorado Letter from Lorain

RECEIVED
DEC - 4 1996

OIL CON. DIV
DIST. 2

AS of 1/1/96 → LF2 F16

150 bbls - still active

Estimated Volume 160 bbl cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-4-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 12/4/96
APPROVED BY: Roger [Signature] TITLE: Bureau Chief DATE: 12/6/96

District I - (505) 393-6161
O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96030

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator K.N. ENERGY.
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Slick Rock Gas Gathering Plant.
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter T.B.A.
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State Colo → New Mexico.
7. Location of Material (Street Address or ULSTR)	HWY 54 Sec 25, T44N, R19W, N44PM
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. 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:

Precipitated amine sludge from vessels at a gas processing plant serving a gathering system near Slick Rock, Co.

TCLP Metals Analysis & Gross Alpha/Gross Beta analysis ATTACHED

Also Attached Colorado Letter from Loren Adams

RECEIVED
DEC - 4 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 160 bbl cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-4-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fent TITLE: Geologist DATE: 12/4/96
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: San Miguel County, Colorado,
Slick Rock Plant, Rocky Mountain Natural
Source: Gas Company
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Rocky Mountain Natural Gas Co. concur with the status of the waste from the subject site.

RECEIVED
DEC 18 1996

OIL CON. DIV.
DIST. 3

Name David J. Ries
Title/Agency General Manager
KN Energy, Inc.
Address 370 Van Gordon Street
Lakewood, CO 80228
Signature David J. Ries
Date 12-10-96

ENVIROTECH INC.

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: SAN MIGUEL CO. (Road. Slick Rock
Source: PLANT, Rocky Mountain Natural Gas Co
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.1(b)."

I, the undersigned, as the agent for Rocky Mountain Natural Gas Co.
concur with the status of the waste from the subject site.



David J. Ries
General Manager
Business Development

KN Energy, Inc.
370 Van Gordon Street
P.O. Box 281304
Lakewood, CO 80228-8304
(303) 989-1740 Office
(303) 763-3550 Direct Dial
(303) 763-3127 FAX

Internet:
david_ries@kne.com

Name _____
Title/Agency _____
Address _____
Signature David J. Ries
Date 9/11/96

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

December 4, 1996

Denny Foust, Environmental Geologist
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Gross Alpha/Gross Beta results from sludge generated at the Slick Rock Gas Plant Demolition

Dear Denny:

Envirotech has received the analytical results for the sludge. Please note that the results are reported in picocuries per liter. Assuming that the sludge density is 1.0 the reported results are .0054 ($\pm$.0022) Picocuries/gram for Gross Alpha and .0036 ($\pm$.0021) Picocuries per gram for Gross Beta. These values are much lower than the 150 Picocuries per gram allowed in 20 NMAC 3.1, Subpart 14, 1403 for exempt Naturally Occuring Material (NORM). Sludge typically has a higher density than 1.0 which would make the reported values lower still. The formula used to arrive at a Picocuries per gram is as follows:

$$\frac{\text{Picocuries}}{\text{Liter}} \div 1000 = \frac{\text{Picocuries}}{\text{Gram}}$$

The analytical results are attached with the results of the TCLP analysis for the sludge.

If you have questions or comments regarding this analysis please feel free to call us.

Sincerely,



Harlan M. Brown
Staff Geologist / Hydrogeologist



DEPARTMENT OF NATURAL RESOURCES

Roy Romer, Governor

1120 Lincoln St., Suite 801

Denver, CO 80203

Phone: (303) 894-2100

FAX: (303) 894-2109

RECEIVED SEP 9 1996

September 4, 1996

Harlan M. Brown
Envirotech, Inc.
5796 U.S. Highway 64-3014
Farmington, NM 87401

Re: Notification of Transportation of Exempt Oil Field Waste From
the gas plant site in Slick Rock, Colorado, NW SE Section 25,
Township 44 North, Range 19 West, San Miguel County, Colorado.

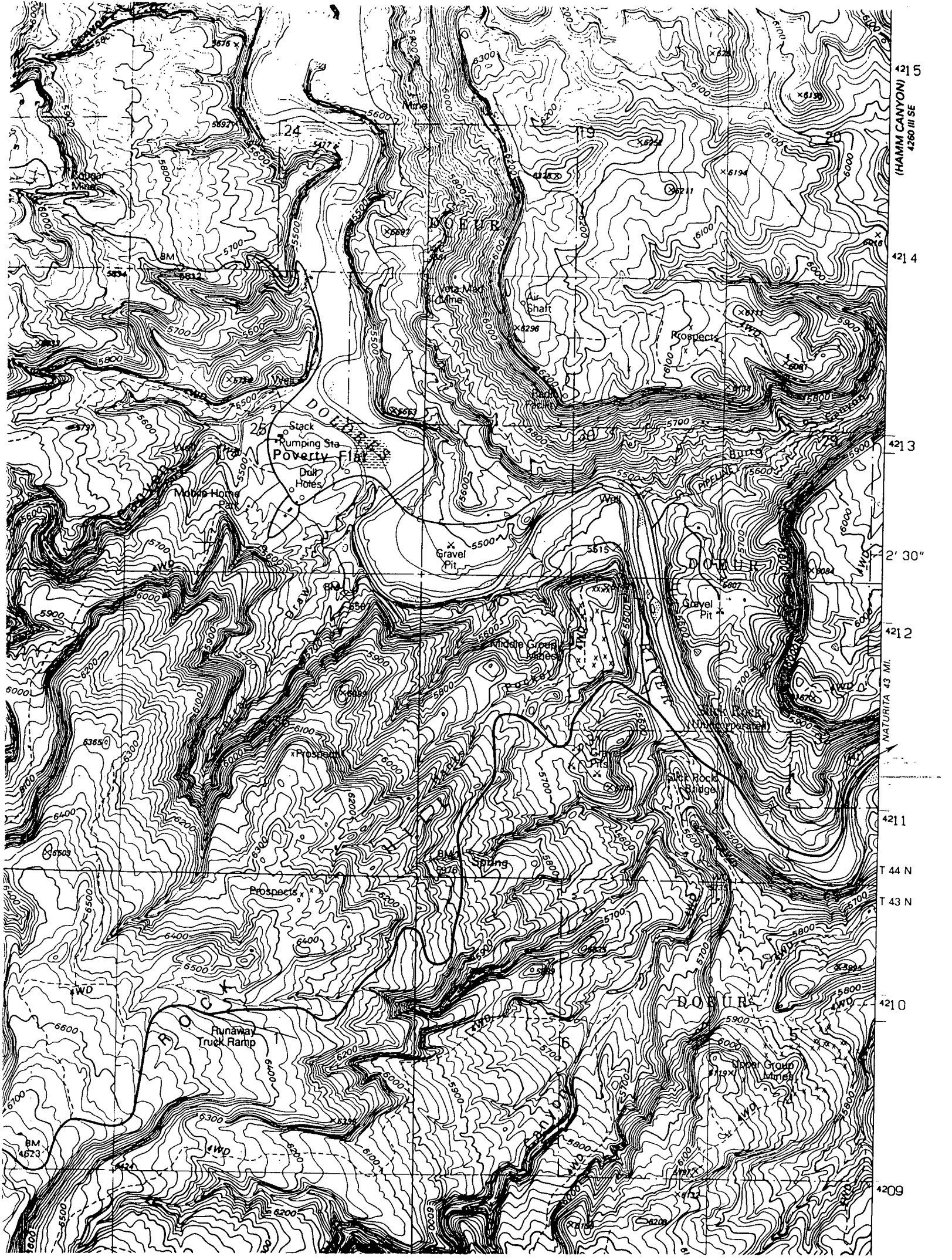
Dear Mr. Brown:

Thank you for notifying the Colorado Oil and Gas Conservation
Commission (COGCC) of the transportation of waste from the above
referenced well site to your facility in New Mexico. Certification
may be required by the State of New Mexico Oil Conservation
Division (NMOCD) from your company, the transporter or the
generator. Transport of this waste may be subject to other state
and Federal laws.

Sincerely,

Loren E. Avis
Environmental Protection Specialist
COGCC

cc Frank Chavez NMOCD



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

November 19, 1996

Mr. John Wilkerson
WRA, Inc.
P.O. Box 568
Giddings, Texas

Project No.: 96030

Dear Mr. Wilkerson,

Enclosed are the analytical results for the samples collected from the "KN Energy Plant - Slick Rock, CO." location. Two sludge samples were collected from the designated location by WRA, Inc. personnel on 10/15/96, and delivered to the Envirotech Laboratory on 10/24/96 for Toxic Characteristic Leaching Procedure (TCLP) Trace Metals and Gross Alpha and Beta analysis.

The samples were documented on Envirotech Chain of Custody No. 4956 and assigned Laboratory Nos. A711 (Stock Tank #1+#2) and A712 (Stock Tank #1+#2) for tracking purposes. The samples were analyzed using USEPA or equivalent methods.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for Trace Metals.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sendler

Stacy W. Sendler
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

96030lb1.doc

WRA INC, / R.N. ENERGY

Slack Rock Gas Plant Domo
Sludge.

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	Hexachlorobutadiene	0.5	D033
Benzene	0.5	D018	Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlordane	0.03	D020	✓ Mercury	0.2	D009
Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0	D022	Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	Nitrobenzene	2.0	D036
Cresol	200.0	D026	Pentachlorophenol	100.0	D037
m-Cresol	200.0	D024	Pyridine	5.0	D038
o-Cresol	200.0	D023	✓ Selenium	1.0	D010
p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5	D027	Tetrachloroethylene	0.7	D039
1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7	D029	Trichloroethylene	0.5	D040
2,4-Dinitrotoluene	0.13	D030	2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	Vinyl chloride	0.2	D043

* = EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	WRA Inc.	Project #:	96030
Sample ID:	Stock Tanks #1 & #2	Date Reported:	10-29-96
Laboratory Number:	A711	Date Sampled:	10-15-96
Chain of Custody:	4956	Date Received:	10-24-96
Sample Matrix:	Sludge	Date Analyzed:	10-29-96
Preservative:	Cool	Date Extracted:	10-25-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.00
Barium	1.88	0.01	100
Cadmium	ND	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.002	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

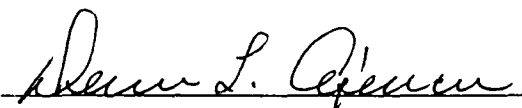
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

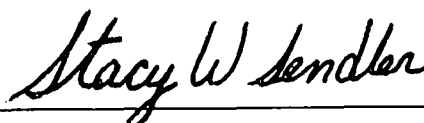
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: K N Energy Plant, Slickrock, CO.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	10-22-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.025	0.026	3.9%
Barium	0.42	0.41	2.4%
Cadmium	0.057	0.057	0.0%
Chromium	0.001	0.001	0.0%
Lead	0.009	0.009	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
----------------------------	-----------	--------------------

Trace Metals

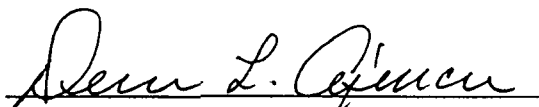
30 %

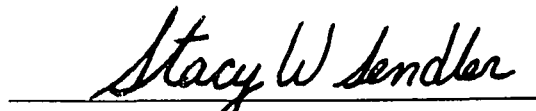
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	10-22-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.025	0.125	100%
Barium	1.00	0.42	1.41	99%
Cadmium	0.050	0.057	0.106	99%
Chromium	0.050	0.001	0.051	100%
Lead	0.100	0.009	0.109	100%
Mercury	0.025	ND	0.024	96%
Selenium	0.100	ND	0.099	99%
Silver	0.050	ND	0.049	98%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
----------------------------	-----------	--------------------

TCLP Metals

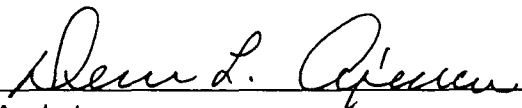
80 - 120 %

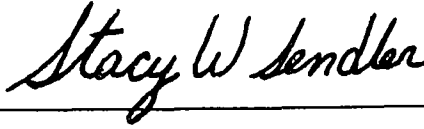
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

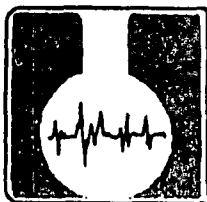
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review



**ASSAIGAI
ANALYTICAL
LABORATORIES, INC.**

7300 Jefferson, N.E. • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259

3332 Wedgewood, E-5 • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820

Report, Generated:
December 2, 1996 10:48

**CERTIFICATE OF ANALYSIS
RESULTS BY SAMPLE**

SENT ENVIROTECH
TO: 5796 US. HIGHWAY 64-3014
FARMINGTON, NM 87401

WORKORDER # : 9610218
WORK ID : KN ENERGY PLANT/SLICK ROCK, CO
CLIENT CODE : EXCE01
DATE RECEIVED : 10/28/96

ATTN: DENNIS AJEMAN

Page: 1

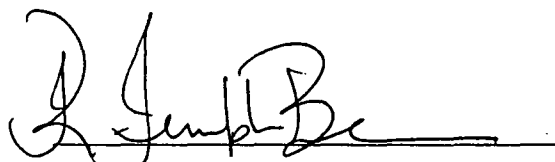
Lab ID: 9610218-01A
Sample ID: STOCK TANK #2. (A712)

Collected: 10/15/96 14:00:00
Matrix: SLUDGE

TEST / METHOD	RESULT	UNITS	LIMIT	D_F	DATE ANAL	BATCH_ID
---------------	--------	-------	-------	-----	--------------	----------

MISC TEST / SUBCONTRACTED

ATTACHED


for Fred L. Shore, Ph.D.
VP of Laboratory Operations



WORKORDER COMMENTS

DATE : 12/02/96
WORKORDER:

DEFINITIONS/DATA QUALIFIERS

The following are definitions, abbreviations, and data qualifiers which may have been utilized in your report:

ND = Analyte "not detected" in analysis at the sample specific detection limit.

D_F = Sample "dilution factor"

NT = Analyte "not tested" per client request.

B = Analyte was also detected in laboratory method QC blank.

E = Analyte concentration (result) is an estimated value or exceeds analysis calibration range.

LIMIT = The minimum amount of the analyte that AAL can detect utilizing the specified analysis.

Please Note: Multiply the "Limit" value (AAL's Detection Limit) by Dilution Factor (D_F) to obtain the sample specific Detection Limit.

*** Analytical results reported pertain only to the samples provided ***
*** for analysis and may not represent actual field conditions. ***

*** This report is not to be reproduced except in full, without the ***
*** written approval of Assaigai Analytical Inc. ***

REPORT COMMENTS



1726 Wooddale Court • Baton Rouge, Louisiana 70806

1 (800) 401-4277 • Fax (504) 927-6822

ARS Tracking Number: ARS-96-0744

P.O. Number:

Client: Assagai Analytical Laboratories
7300 Jefferson, N.E.
Albuquerque, NM 87109
ENV08

Contact Person: Dan Moore
Phone Number: 505-345-8964
Fax Number: 505-345-7259

Date Received: 10-29-96

Date of Report: 11-12-96

Analysis: EPA Methods: 900 Gross Alpha/Beta

The results below are reported to a confidence level of two sigma (95%), and are reported in picoCuries per Liter (pCi/L).

The following instrumentation was utilized for the analysis of Gross Alpha, and Gross Beta:

Counter Scaler: Tennelec LB5100
Serial Number: 25095
Date of Calibration: January 1996

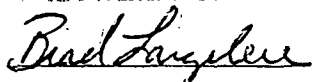
Counter Scaler: Tennelec LB4100
Serial Number: 35723
Date of Calibration: September 1996

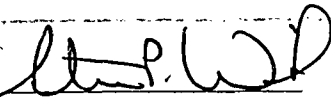
Calibration and response of the all systems were verified using known alpha and beta standards traceable to the National Institute of Standards and Technology (NIST).

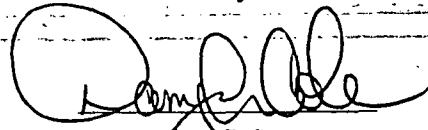
Analysis Technician:

Quality Assurance:

Reviewed By:


Laboratory Technician


Q/A Review


Danny L. Coleman
Laboratory Manager

Note: American Radiation Services, Inc assumes no liability for the use or interpretation of any analytical results provided other than the cost of the performed analysis itself.

ARS Tracking Number: ARS-96-0744

Sample I.D.	ARS I.D.	Gross Alpha	2σ	Gross Beta	2σ	Date & Time	MDA Gross Alpha	MDA Gross Beta				
9610218-GA	ARS-96-3121	54.05	22.34	36.04	21.47	11/7/96 0803	22.17	24.69				

900

CHAIN OF CUSTODY RECORD

[illegible]

San Juan Metro Form 578-6

900

Office (505) 393-6161
1980
bbs, NM 88341-1980
Office II (505) 748-1283
S. First
aia, NM 88210
Office III (505) 334-6178
Rio Brazos Road
c. NM 87410
Office IV (505) 827-7131

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

Form C-1
Originated 8/81

Submit Orig
Plus 1 C
to appropriate
District Of

Env JN: 96300-42

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Freemeyer, Corp.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Dresser Oil Tool</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>1416 LAPLATA HWY, FARMINGTON, NM</u>

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.
- 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:

Sludge generated at a wash Rack Sump
TCLP ATTACHED

LF 2
G 15

RECEIVED
DEC - 6 1996
OIL CON. DIV.

RECEIVED
DEC - 4 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 20 yds cy Known Volume (to be entered by the operator at the end of the haul) 10 bbs cy

SIGNATURE: Harlan M. Brown
Waste Management Facility Authorized Agent

TITLE: Landfarm Manager

DATE: 12-4-96

TYPE OR PRINT NAME: Harlan M. Brown

TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Furt

TITLE: Geologist

DATE: 12/4/96

APPROVED BY: Russell Chul

TITLE: Russian Chul

DATE: 12/6/96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 96300-42

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Freemeyer, Corp.</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Dresser Oil Tool</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Fac.</u> <u>Landfarm #2</u>	6. Transporter <u>Envirotech.</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64</u> <u>Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>1416 LAPLATA HWY, FARMINGTON, NM</u>
9. <u>Circle One:</u> 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. 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:

Sludge generated at a wash Rack Sump
TCLP ATTACHED

RECEIVED
DEC - 4 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 20 yds cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-4-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Feint TITLE: Geologist DATE: 12/4/96

APPROVED BY: _____ TITLE: _____ DATE: _____

Generator: Dresser Oil Tool by Freemeyer Company

Envirotech Inc. JN. 96300-42

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Axelson Yard 1416 LaPlata Hwy.

Source: Sump

Disposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for DRESSER OIL TOOLS
concur with the status of the waste from the subject site.

Name DALE EARNEST DALE EARNEST
Title/Agency REGIONAL OPERATIONS MGR.
WEST TEXAS NEW MEXICO
Address 4503 S. COUNTY RD 1310
ODESSA, TX 79765
Signature [Signature]
Date 11-25-96

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

96300-42

Freemeyer, Inc

For Dresser Oil Tool & sup.

pH - 6.19

325-4450

325-5809 Fax

CWS

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlorodane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

*-EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

November 22, 1996

Mr. Rusty Jones
Mr. Mike Haddenham
Freemyer, Inc.
3600 Bloomfield Highway
Farmington, New Mexico 87401

Project No.: 96300-42

Dear Sirs,

Enclosed are the analytical results for the sample collected from the location designated as "La Plata Highway". One sludge sample was collected by Freemyer personnel on November 15, 1996, and received by the Envirotech laboratory on November 15, 1996 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 5008 and assigned Laboratory No. A742 for tracking purposes. The sample was analyzed on 11/15/96 through 11/21/96 using USEPA or equivalent methods.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

Stacy W. Sandler

Stacy W. Sandler
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

96300-42.wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Freemyer Company, Inc.	Project #:	96300-42
Sample ID:	Sludge	Date Reported:	11-18-96
Lab ID#:	A742	Date Sampled:	11-15-96
Sample Matrix:	Sludge	Date Received:	11-15-96
Preservative:	Cool	Date Analyzed:	11-15-96
Condition:	Cool & Intact	Chain of Custody:	5008

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 6.19

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

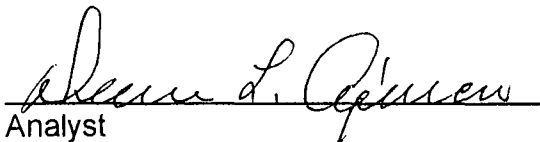
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

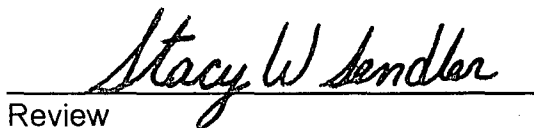
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: La Plata Highway.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	Freemyer Company, Inc.	Project #:	96300-42
Sample ID:	Sludge	Date Reported:	11-19-96
Laboratory Number:	A742	Date Sampled:	11-15-96
Chain of Custody:	5008	Date Received:	11-15-96
Sample Matrix:	Sludge	Date Extracted:	11-15-96
Preservative:	Cool	Date Analyzed:	11-18-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

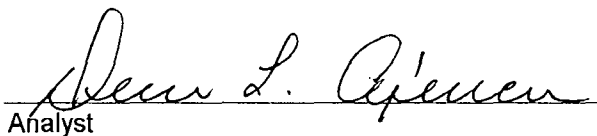
ND - Parameter not detected at the stated detection limit.

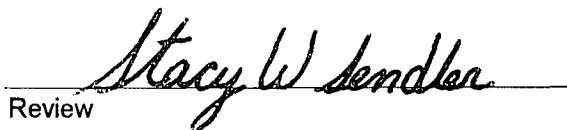
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	102%
	Bromofluorobenzene	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **La Plata Highway.**


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS

Client:	Freemyer Company, Inc.	Project #:	96300-42
Sample ID:	Sludge	Date Reported:	11-21-96
Laboratory Number:	A742	Date Sampled:	11-15-96
Chain of Custody:	5008	Date Received:	11-15-96
Sample Matrix:	Sludge	Date Extracted:	11-15-96
Preservative:	Cool	Date Analyzed:	11-20-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	96%
	2,4,6-Tribromophenol	99%

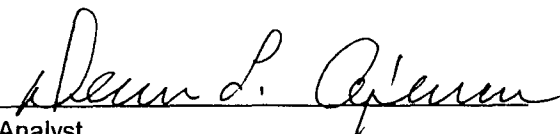
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

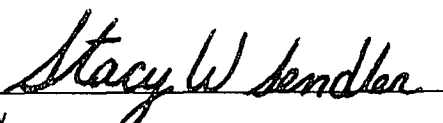
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **La Plata Highway.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	Freemyer Company, Inc.	Project #:	96300-42
Sample ID:	Sludge	Date Reported:	11-20-96
Laboratory Number:	A742	Date Sampled:	11-15-96
Chain of Custody:	5008	Date Received:	11-15-96
Sample Matrix:	Sludge	Date Extracted:	11-15-96
Preservative:	Cool	Date Analyzed:	11-20-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.053	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

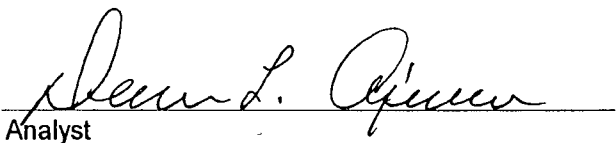
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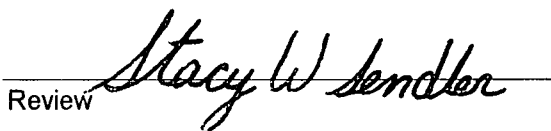
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	93%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: La Plata Highway.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Freemyer Company, Inc.	Project #:	96300-42
Sample ID:	Sludge	Date Reported:	11-21-96
Laboratory Number:	A742	Date Sampled:	11-15-96
Chain of Custody:	5008	Date Received:	11-15-96
Sample Matrix:	Sludge	Date Analyzed:	11-21-96
Preservative:	Cool	Date Extracted:	11-15-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.028	0.001	5.00
Barium	3.72	0.01	100
Cadmium	ND	0.001	1.00
Chromium	0.504	0.001	5.00
Lead	0.008	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	0.003	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

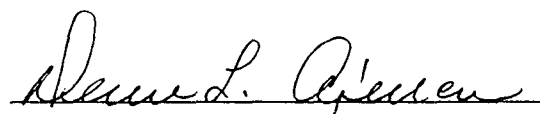
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

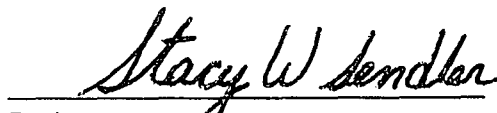
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: La Plata Highway.


Analyst


Review

· NVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	11-19-96
Laboratory Number:	11-18-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-18-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

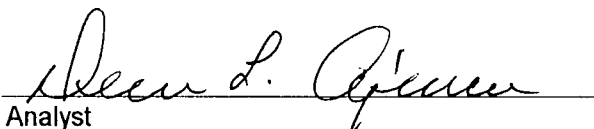
ND - Parameter not detected at the stated detection limit.

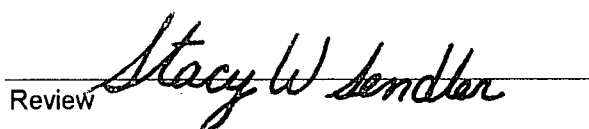
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for sample A742.


Analyst


Review

• NVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	11-19-96
Laboratory Number:	11-15-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-18-96
Condition:	N/A	Date Extracted:	11-15-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0003	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

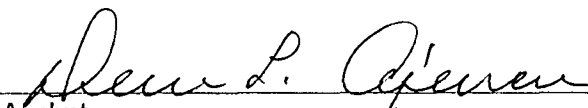
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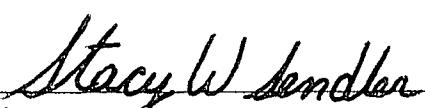
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: **QA/QC for sample A742.**


Analyst


Review

ENVIROTECH LABS

PRAGTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: A742
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

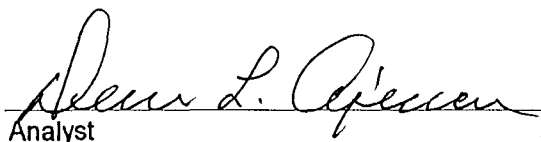
Project #: N/A
Date Reported: 11-19-96
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11-18-96
Date Extracted: 11-15-96

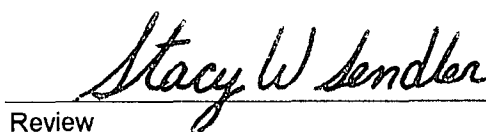
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0195	0.0003	95%	28-163
1,1-Dichloroethene	ND	0.020	0.0191	0.0001	93%	43-143
2-Butanone (MEK)	ND	0.020	0.0197	0.0001	98%	47-132
Chloroform	ND	0.020	0.0198	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0194	0.0001	97%	43-143
Benzene	ND	0.020	0.0195	0.0001	98%	39-150
1,2-Dichloroethane	ND	0.020	0.0194	0.0001	97%	51-147
Trichloroethene	ND	0.020	0.0196	0.0003	98%	35-146
Tetrachloroethene	ND	0.020	0.0192	0.0005	96%	26-162
Chlorobenzene	ND	0.020	0.0193	0.0003	95%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0193	0.0002	94%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for sample A742.


Analyst


Review

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	11-21-96
Laboratory Number:	11-20-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-20-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	96 %
	2,4,6-tribromophenol	99 %

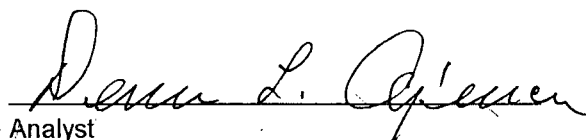
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

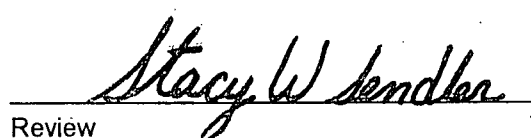
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	11-21-96
Laboratory Number:	11-15-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	11-15-96
Condition:	Cool & Intact	Date Analyzed:	11-20-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	96%
	2,4,6-Tribromophenol	99%

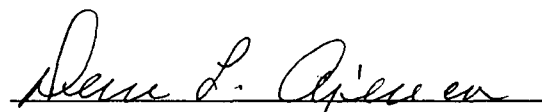
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

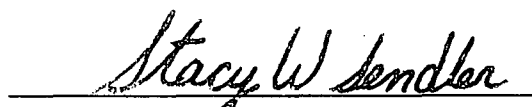
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	11-21-96
Laboratory Number:	A742	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	11-15-96
Condition:	Cool & Intact	Date Analyzed:	11-20-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

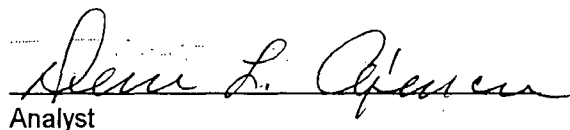
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	11-20-96
Laboratory Number:	11-20-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	11-20-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.053	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

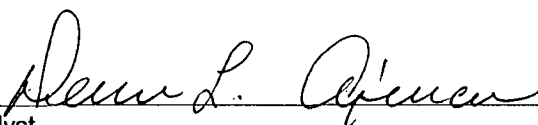
ND - Parameter not detected at the stated detection limit.

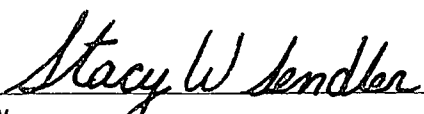
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	11-20-96
Laboratory Number:	11-15-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	11-15-96
Condition:	Cool and Intact	Date Analyzed:	11-20-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.053	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

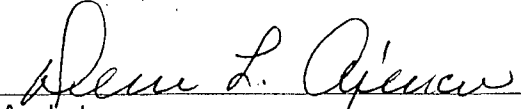
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: A742
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 11-20-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 11-15-96
Date Analyzed: 11-20-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.053
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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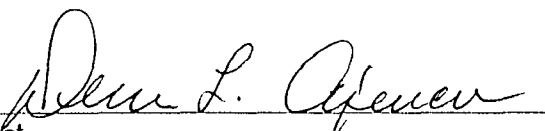
8090 Compounds

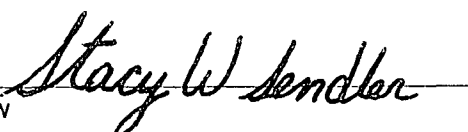
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	11-21-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	11-21-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

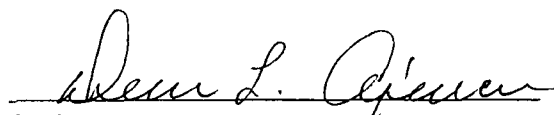
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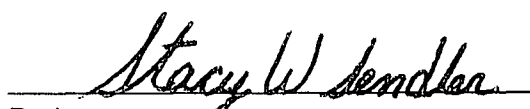
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	11-21-96
Laboratory Number:	A742	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	11-21-96
Condition:	N/A	Date Extracted:	11-15-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.028	0.028	0.0%
Barium	3.72	3.71	0.3%
Cadmium	ND	ND	0.0%
Chromium	0.504	0.506	0.4%
Lead	0.008	0.008	0.0%
Mercury	ND	ND	0.0%
Selenium	0.003	0.003	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

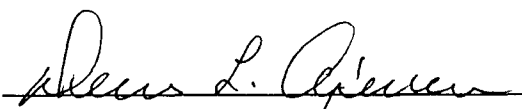
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

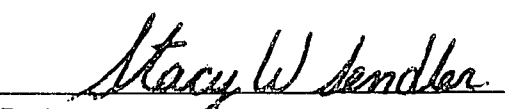
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	11-21-96
Laboratory Number:	A742	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	11-21-96
Condition:	N/A	Date Extracted:	11-15-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.028	0.128	100%
Barium	1.00	3.72	4.69	99%
Cadmium	0.050	ND	0.049	98%
Chromium	0.050	0.504	0.555	100%
Lead	0.100	0.008	0.108	100%
Mercury	0.025	ND	0.025	100%
Selenium	0.100	0.003	0.103	100%
Silver	0.050	ND	0.051	102%

ND - Parameter not detected at the stated detection limit.

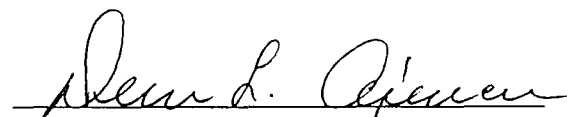
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A742 and A753.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Freemeyer Company, Inc.</i>			Project Location <i>La Plata Hwy</i>		ANALYSIS/PARAMETERS									
Sampler: (Signature) <i>[Signature]</i>			Chain of Custody Tape No. <i>96300-42</i>		No. of Containers <i>1</i>	<i>Temp w/ Herb & Res</i>								Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
<i>Sludge</i>	<i>11-15-96</i>	<i>830</i>	<i>A742</i>	<i>Sludge</i>	<i>1</i>	<i>✓</i>								
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>11-15-96</i>	Time <i>948</i>	Received by: (Signature) <i>[Signature]</i>							Date <i>11-15-96</i>	Time <i>948</i>	
Relinquished by: (Signature) <i>[Signature]</i>					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615														

Office: (505) 393-6161
O. Box 1980
Albuquerque, NM 88241-1980
Director: (505) 748-1283
1115 First
Albuquerque, NM 88210
Director: (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
Director: (505) 827-7131

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

Form C-1
Originated 8/1

Submit Only
Plus 1 C
to approp
District 0

Env JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Halliburton Energy Serv
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Main Yard
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	4109 E. Main, Farmington, N.M.
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. 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:

Continuation of work by solids from waste rack

TCLP & Reaffirmation Statement attached



RECEIVED
DEC - 4 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 48 cy Known Volume (to be entered by the operator at the end of the haul) 52 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-4-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Zent TITLE: Geologist DATE: 12/4/96
APPROVED BY: [Signature] TITLE: [Signature] DATE: 12/6/96

District I - (505) 393-6161
P.O. Box 1980
Tobbs, NM 88241-1980
District II - (505) 748-1283
11 S. First
Artesia, NM 88210
District III - (505) 334-6178
7 Rio Brazos Road
Alamogordo, NM 87410
(505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Halliburton Energy Serv.
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Main Yard
2. Management Facility Destination Envirotech Soil RemediationFac. Landfarm #2	6. Transporter ENVIROTECH
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	4109 E. Main, Farmington, N.M.
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. 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:

Continuation of wash bay solids from wash rack

TCLP & Reaffirmation Statement attached

RECEIVED
DEC - 4 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 48 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-4-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Z. Foust TITLE: Geologist DATE: 12/4/96

APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: HALLIBURTON, MAIN ST, FARMINGTON
Source: WASH BAY GRIT
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for HALLIBURTON ENERGY SERVICES concur with the status of the waste from the subject site.

Name: RJ GREENAKER
Title/Agency: EQUIPMENT SERVICE OPERATOR
HALLIBURTON EQUIPMENT SERVICE
Address: 4104 E. MAIN ST.
FARMINGTON, NM 87402
Signature: RJ Greenaker
Date: 12-3-96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS / NON-EXEMPT WASTE

I hereby certify that the attached Request For Approval and Certificate of Waste Status are for materials generated using the same procedures and equipment employed to generate the waste on which Toxicity Characterization Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Signed RJ Greenaker

Date of TCLP

Name RJ GREENAKER

Title/Agency EQUIP. SRV. OP.

Address 4109 E. MAIN ST.

FARMINGTON, NM 87402

Signature RJ Greenaker

Date 12-3-96

Halliburton Foreign Supplies
 4109 E. Main
 Tulsa, OK 74105

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE ✓ Chlordane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE ✓ Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

* -EP Toxic wastes; TCI P must now be utilized for characterizing these wastes

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-22-96
Lab ID#:	A706	Date Sampled:	10-22-96
Sample Matrix:	Solid	Date Received:	10-22-96
Preservative:	Cool	Date Analyzed:	10-22-96
Condition:	Cool & Intact	Chain of Custody:	4966

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 7.25

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

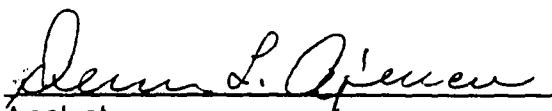
IGNITABILITY: Sample ignition upon direct contact with flame indicates hazardous waste status.

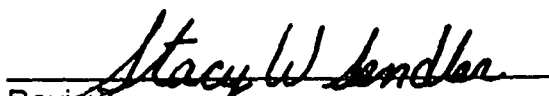
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Extracted:	10-22-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

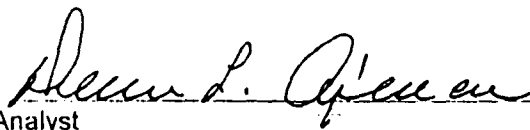
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	103%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Extracted:	10-22-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	102%

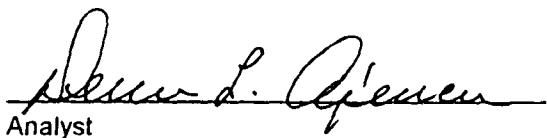
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-28-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Extracted:	10-22-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

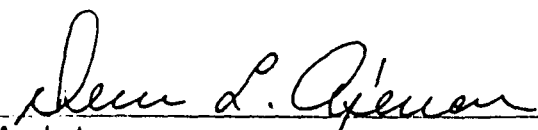
ND - Parameter not detected at the stated detection limit.

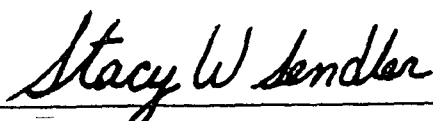
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Analyzed:	10-29-96
Preservative:	Cool	Date Extracted:	10-22-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.025	0.001	5.00
Barium	0.42	0.01	100
Cadmium	0.057	0.001	1.00
Chromium	0.001	0.001	5.00
Lead	0.009	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

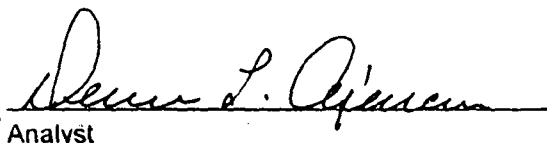
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

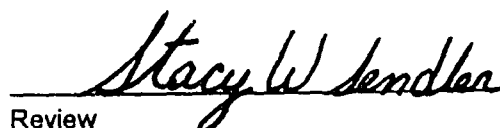
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-29-96
Laboratory Number:	10-28-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

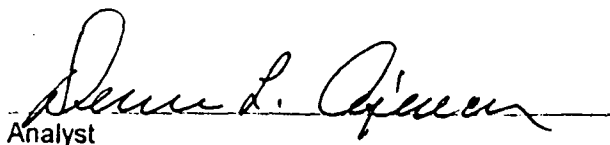
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	96%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-29-96
Laboratory Number:	10-22-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Date Extracted:	10-22-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

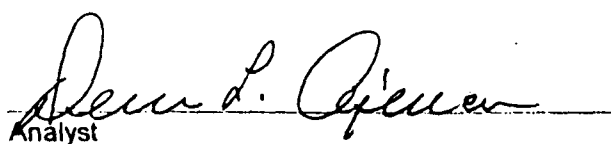
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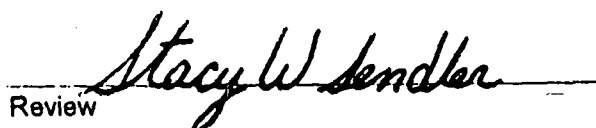
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

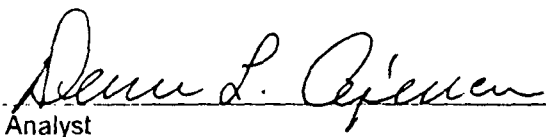
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-28-96
Condition:	N/A	Date Extracted:	10-22-96

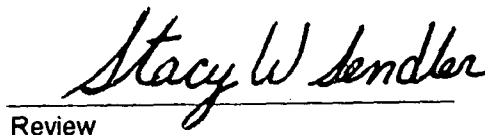
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0004	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0003	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0002	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: A706
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: N/A

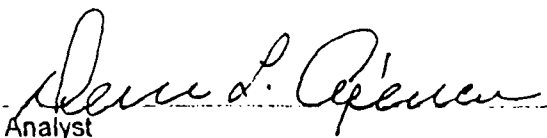
Project #: N/A
Date Reported: 10-29-96
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 10-28-96
Date Extracted: 10-22-96

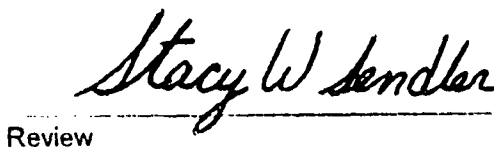
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0203	0.0004	102%	28-163
1,1-Dichloroethene	ND	0.020	0.0217	0.0002	108%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0003	97%	47-132
Chloroform	ND	0.020	0.0199	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0193	0.0001	97%	43-143
Benzene	ND	0.020	0.0207	0.0002	103%	39-150
1,2-Dichloroethane	ND	0.020	0.0185	0.0001	93%	51-147
Trichloroethene	ND	0.020	0.0189	0.0003	95%	35-146
Tetrachloroethene	ND	0.020	0.0195	0.0005	97%	26-162
Chlorobenzene	ND	0.020	0.0204	0.0003	102%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0193	0.0002	96%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-29-96
Laboratory Number:	10-28-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection	Regulatory
Parameter	Concentration (mg/L)	Limit (mg/L)	Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	102 %

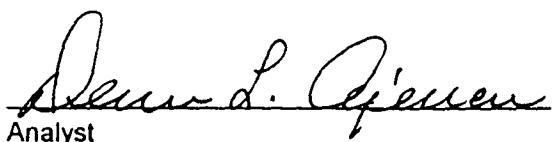
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

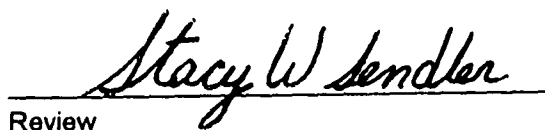
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-29-96
Laboratory Number:	10-22-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-22-96
Condition:	Cool & Intact	Date Analyzed:	10-28-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	94%
	2,4,6-Tribromophenol	99%

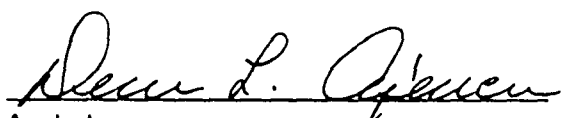
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-22-96
Condition:	Cool & Intact	Date Analyzed:	10-28-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

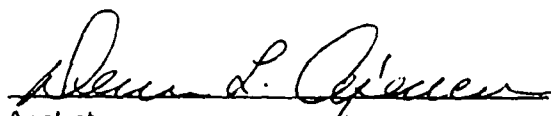
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-28-96
Laboratory Number:	10-28-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	10-28-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

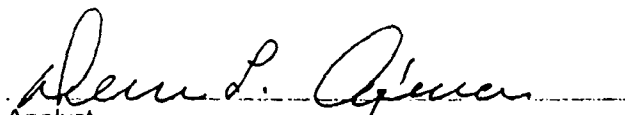
ND - Parameter not detected at the stated detection limit.

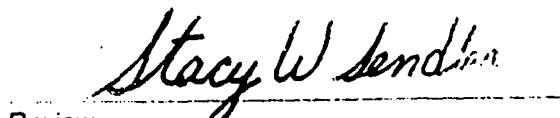
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 10-22-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 10-28-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 10-22-96
Date Analyzed: 10-28-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

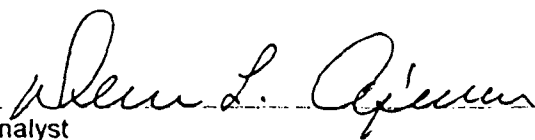
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-28-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	10-22-96
Condition:	N/A	Date Analyzed:	10-28-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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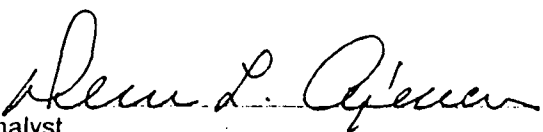
8090 Compounds

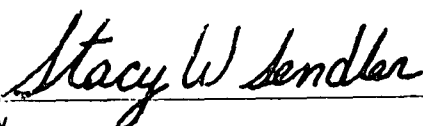
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	10-29-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

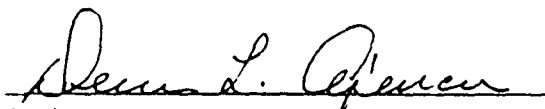
ND - Parameter not detected at the stated detection limit.

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	10-22-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.025	0.026	3.9%
Barium	0.42	0.41	2.4%
Cadmium	0.057	0.057	0.0%
Chromium	0.001	0.001	0.0%
Lead	0.009	0.009	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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Trace Metals

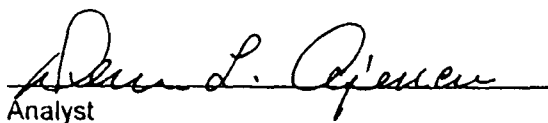
30 %

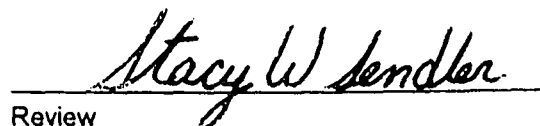
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	10-22-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.025	0.125	100%
Barium	1.00	0.42	1.41	99%
Cadmium	0.050	0.057	0.106	99%
Chromium	0.050	0.001	0.051	100%
Lead	0.100	0.009	0.109	100%
Mercury	0.025	ND	0.024	96%
Selenium	0.100	ND	0.099	99%
Silver	0.050	ND	0.049	98%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
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TCLP Metals

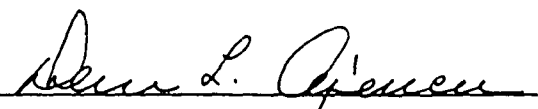
80 - 120 %

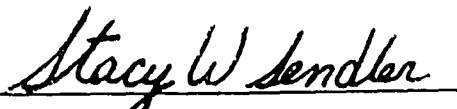
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name Harbort Energy Services			Project Location 4109 E Main St, Farmington		ANALYSIS/PARAMETERS							
Sampler: (Signature) Hal Brown			Chain of Custody Tape No. 92132		No. of Containers 1	TEMP 3/0 4/4						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
Wash Bag Solids	10-22-96	9:50	A706	Solid								
Relinquished by: (Signature) Hal Brown			Date 10-22-96	Time 10:30	Received by: (Signature) Don L. Ayler					Date 10-22-96	Time 11:30	
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Roswell, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/93

Submit Original
Plus 1 Copy
to appropriate
District Office

JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HALLIBURTON Energy</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Main Yard</u>
2. Management Facility Destination <u>EnviroTECH Soil Remediation FAC.</u> <u>LANDFARM #2</u>	6. Transporter <u>EnviroTECH</u>
3. Address of Facility Operator <u>5796 U.S. HWY 64, Farmington, N.M.</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E Main</u> <u>Farmington, New Mexico</u>
9. <u>Circle One</u> : 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. 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:

WASH BAY SOLIDS

New TCLP ATTACHED.

LF2
F15

RECEIVED
NOV 19 1996

OIL CON. DIV.
DIST. 3

Estimated Volume 40 cy Known Volume (to be entered by the operator at the end of the haul) 28 cy

SIGNATURE: Harlan M. Brown TITLE: LANDFARM MANAGER DATE: 11-18-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY: Terry G. Fount TITLE: Geologist DATE: 11/19/96
APPROVED BY: Roger Chubb TITLE: Bureau Chief DATE: 11/19/96

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>HALLIBURTON Energy</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Main Yard</u>
2. Management Facility Destination <u>ENVIROTECH Soil Remediation Fac.</u> <u>LANDFARM #2</u>	6. Transporter <u>ENVIROTECH</u>
3. Address of Facility Operator <u>3796 U.S. HWY. 64, Farmington, N.M.</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E Main</u> <u>Farmington, New Mexico</u>
9. <u>Circle One:</u> 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. 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:

WASH BAY SOLIDS

New TCLP ATTACHED.

RECEIVED
NOV 19 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 40 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: LANDFARM MANAGER DATE: 11-18-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY: Denny G. Feunt TITLE: Geologist DATE: 11/19/96
APPROVED BY: _____ TITLE: _____ DATE: _____

TN 92132

HALLIBURTON Energy Services

4109 E. Main

West Bay, South

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 Pesticide
POSTICIDE ✓ Chlordane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 Pesticide
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 Pesticide
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
POSTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
POSTICIDE Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

* -EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

4109 E.
Originating Location: MAIN ST. FARMINGTON, NM
Source: WASH BAY GRIT
Disposal Location: Envirotech Soil Remediation Facility, (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for HALLIBURTON ENERGY SERVICES concur with the status of the waste from the subject site.

Name RJ GREENAKER
Title/Agency Equip. Serv. DP.
Address 4109 E. MAIN ST.
FARMINGTON, NM 87401
Signature RJ Greenaker
Date 11-15-96

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-22-96
Lab ID#:	A706	Date Sampled:	10-22-96
Sample Matrix:	Solid	Date Received:	10-22-96
Preservative:	Cool	Date Analyzed:	10-22-96
Condition:	Cool & Intact	Chain of Custody:	4966

Parameter	Result
-----------	--------

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 7.25

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
-----------	---------------------------

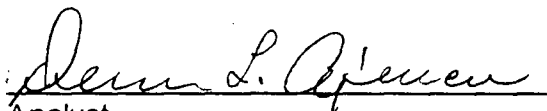
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

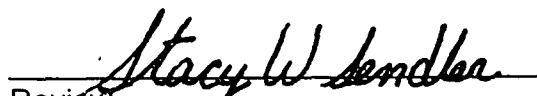
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Soilds	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Extracted:	10-22-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

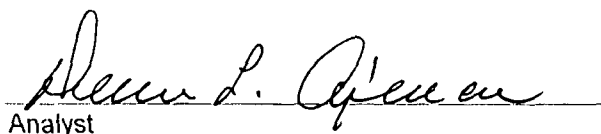
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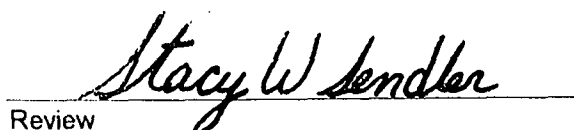
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	103%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Extracted:	10-22-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	102%

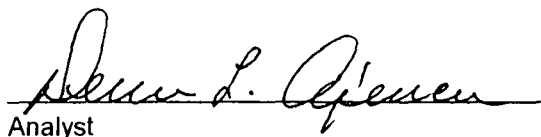
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-28-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Extracted:	10-22-96
Preservative:	Cool	Date Analyzed:	10-28-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

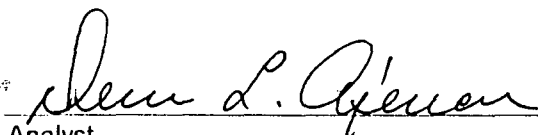
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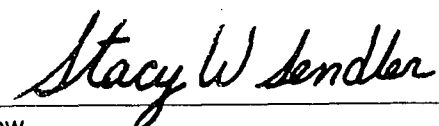
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton Energy Services	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	10-22-96
Chain of Custody:	4966	Date Received:	10-22-96
Sample Matrix:	Solid	Date Analyzed:	10-29-96
Preservative:	Cool	Date Extracted:	10-22-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.025	0.001	5.00
Barium	0.42	0.01	100
Cadmium	0.057	0.001	1.00
Chromium	0.001	0.001	5.00
Lead	0.009	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

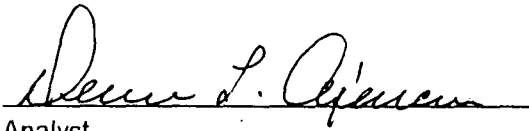
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

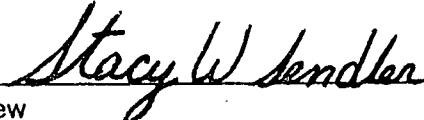
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: 4109 E. Main, Farmington, NM.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-29-96
Laboratory Number:	10-28-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

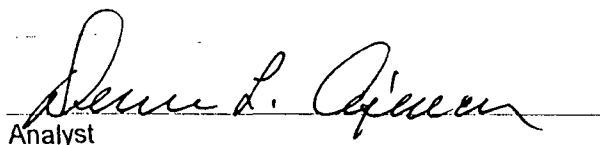
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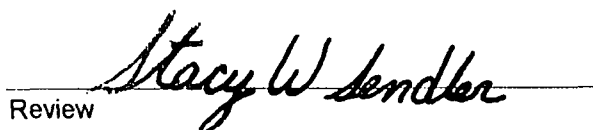
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	96%
	Bromofluorobenzene	96%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-29-96
Laboratory Number:	10-22-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Date Extracted:	10-22-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0004	0.2
1,1-Dichloroethene	ND	0.0002	0.7
2-Butanone (MEK)	ND	0.0003	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0002	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

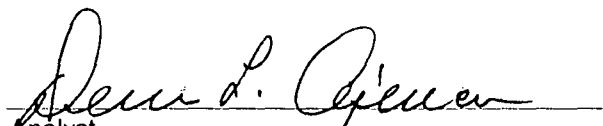
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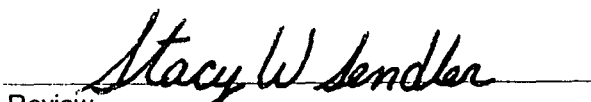
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	101%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS QUALITY ASSURANCE REPORT

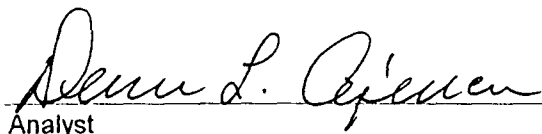
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-28-96
Condition:	N/A	Date Extracted:	10-22-96

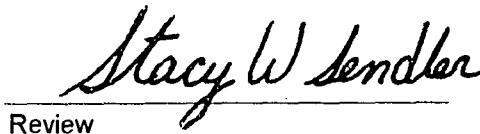
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0004	0.0%
1,1-Dichloroethene	ND	ND	0.0002	0.0%
2-Butanone (MEK)	ND	ND	0.0003	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0002	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

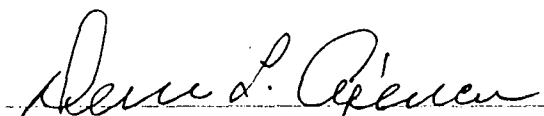
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-28-96
Condition:	N/A	Date Extracted:	10-22-96

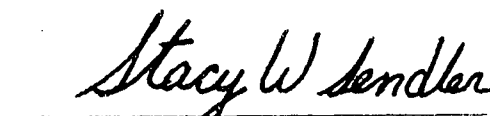
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0203	0.0004	102%	28-163
1,1-Dichloroethene	ND	0.020	0.0217	0.0002	108%	43-143
2-Butanone (MEK)	ND	0.020	0.0196	0.0003	97%	47-132
Chloroform	ND	0.020	0.0199	0.0001	99%	49-133
Carbon Tetrachloride	ND	0.020	0.0193	0.0001	97%	43-143
Benzene	ND	0.020	0.0207	0.0002	103%	39-150
1,2-Dichloroethane	ND	0.020	0.0185	0.0001	93%	51-147
Trichloroethene	ND	0.020	0.0189	0.0003	95%	35-146
Tetrachloroethene	ND	0.020	0.0195	0.0005	97%	26-162
Chlorobenzene	ND	0.020	0.0204	0.0003	102%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0193	0.0002	96%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-29-96
Laboratory Number:	10-28-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-28-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	102 %

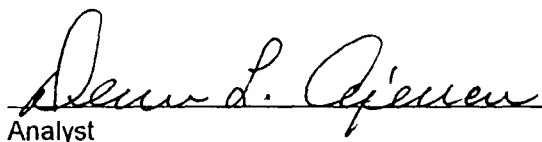
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

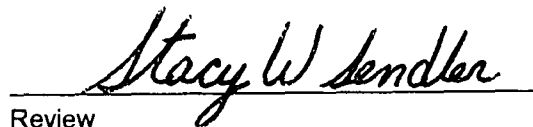
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-29-96
Laboratory Number:	10-22-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-22-96
Condition:	Cool & Intact	Date Analyzed:	10-28-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	94%
	2,4,6-Tribromophenol	99%

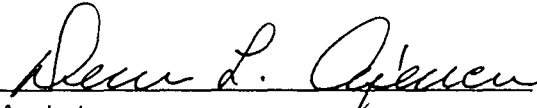
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

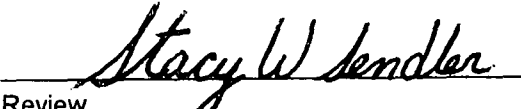
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-22-96
Condition:	Cool & Intact	Date Analyzed:	10-28-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

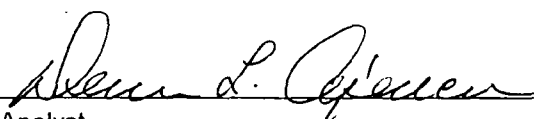
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-28-96
Laboratory Number:	10-28-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	10-28-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

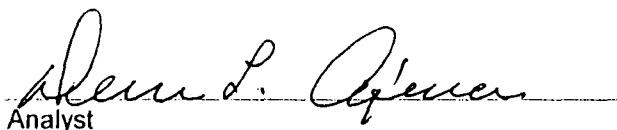
ND - Parameter not detected at the stated detection limit.

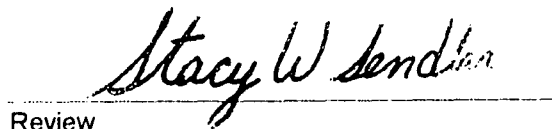
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 10-22-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 10-28-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 10-22-96
Date Analyzed: 10-28-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
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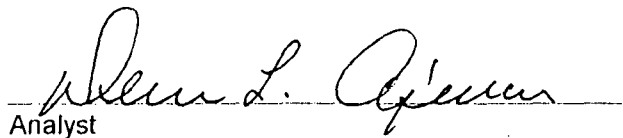
2-fluorobiphenyl

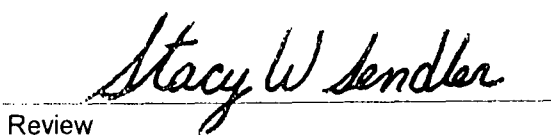
99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: A706
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-28-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 10-22-96
Date Analyzed: 10-28-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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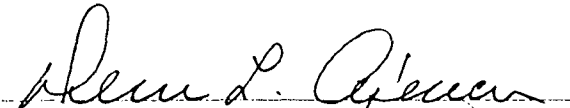
8090 Compounds

30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A689, A706 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	10-29-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

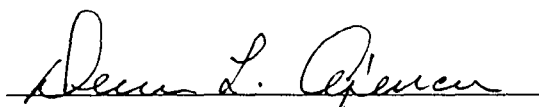
ND - Parameter not detected at the stated detection limit.

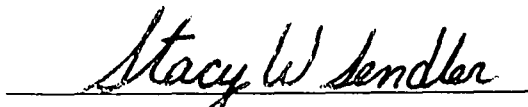
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	10-22-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.025	0.026	3.9%
Barium	0.42	0.41	2.4%
Cadmium	0.057	0.057	0.0%
Chromium	0.001	0.001	0.0%
Lead	0.009	0.009	0.0%
Mercury	ND	ND	0.0%
Selenium	ND	ND	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

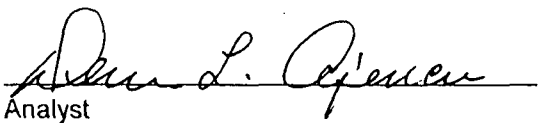
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

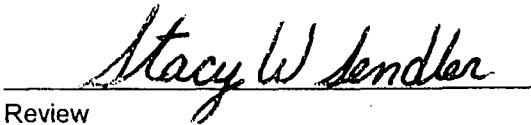
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	10-29-96
Laboratory Number:	A706	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	10-29-96
Condition:	N/A	Date Extracted:	10-22-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.025	0.125	100%
Barium	1.00	0.42	1.41	99%
Cadmium	0.050	0.057	0.106	99%
Chromium	0.050	0.001	0.051	100%
Lead	0.100	0.009	0.109	100%
Mercury	0.025	ND	0.024	96%
Selenium	0.100	ND	0.099	99%
Silver	0.050	ND	0.049	98%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
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TCLP Metals

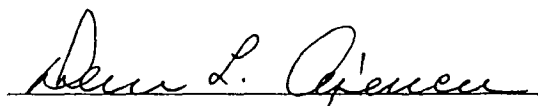
80 - 120 %

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

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A706, A711 and A713.


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Halliburton Energy Services</i>			Project Location <i>4109 E Main St, Farmington</i>		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>Halliburton</i>			Chain of Custody Tape No. <i>92132</i>		No. of Containers <i>1</i>	<i>TRUP</i> <i>2/6/96</i>						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>ash bag Solids</i>	<i>10-22-96</i>	<i>9:50</i>	<i>A706</i>	<i>Solid</i>								
Relinquished by: (Signature) <i>Halliburton</i>			Date <i>10-22-96</i>	Time <i>10:30</i>	Received by: (Signature) <i>Ken L. O'Brien</i>			Date <i>10-22-96</i>	Time <i>10:30</i>			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

san juan repro Form 578-81

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 89241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 95031-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐	4. Generator RED Cedar Gathering 5. Originating Site ARKANSAS Loop PLANT 6. Transporter ENVIROTECH 8. State Colo → New Mexico Sec 34, T 33N, R 9W, La Plata County Colorado
2. Management Facility Destination Envirotech Soil RemediationFac. Landfarm #2 3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	
7. Location of Material (Street Address or ULSTR)	
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. 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:

ACTIVATED charcoal filtration media

LF2
F15

RECEIVED
NOV - 4 1996
OIL CON. DIV.
DIST. 3

Estimated Volume 8 cy cy Known Volume (to be entered by the operator at the end of the haul) 6 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 11-4-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fournier TITLE: Geologist DATE: 11/4/96
APPROVED BY: Ernie Brash TITLE: Geologist DATE: 11/5/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: Red Cedar Gathering Company
Source: Arkansas Loop Plant, Natural Gas Filtration System
Disposal Location: Envirotech Soil Remediation Facility. (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Red Cedar Gathering
concur with the status of the waste from the subject site.

Name James H. Mayo CSP
Title/Agency Manager, Safety & Environmental
Red Cedar Gathering Company
Address 26266 Hwy 160
Durango, Colorado 81301
Signature James H. Mayo
Date 10-10-96

**CERTIFICATE FROM OUT OF STATE AGENCY
AUTHORIZING REMOVAL OF RCRA EXEMPT OILFIELD
WASTE
FROM THEIR JURISDICTION TO NEW MEXICO**

I have reviewed the enclosed information concerning the oilfield waste material from locations on the Arkansas Loop Plant, Southern Ute Indian Reservation, LaPlata County, Colorado (see attached exhibit), and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statute.

XX The material is exempt from regulations because it is classified as non-hazardous OILFIELD waste by definition.

 The material is exempt from regulation by characteristic analyses.

 The material is exempt from regulation by product identification.

THEREFORE:

As a representative for the Bureau of Indian Affairs I have no objections to the material being removed to New Mexico.

NAME: Diana F. Olguin TITLE: Acting Superintendent

SIGNATURE:  DATE: October 21, 1996

AGENCY: BUREAU OF INDIAN AFFAIRS

ADDRESS: P.O. BOX 315, IGNACIO, CO 81137

PHONE: (970) 563-4514





United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

007 48 138

Red Cedar Gathering Company
Attention: Mr. James H. Mayo
26266 Highway 160
Durango, Colorado 81301

Re: RCRA Form, Arkansas Loop Plant

Dear Mr. Mayo:

Enclosed is the approved RCRA form for the removal of soil from the Southern Ute Indian Reservation. You may proceed with your work as requested. Please notify us of any changes and the results of all tests for soil contamination.

If you have any questions, please contact Ken Young, Petroleum Engineer, at (970) 563-4514.

Sincerely,

Charles A. Reiter
Superintendent

Enclosure

Office I - (505) 393-6161
O. Box 1980
Santa Fe, NM 87201-1980
Office II - (505) 748-1283
1 S. First
Santa Fe, NM 87210
Office III - (505) 334-6178
Rio Brazos Road
Santa Fe, NM 87410
Office IV - (505) 827-7131

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

Form C-1
Origination 8/1

Submit Only
Plus 1 C
to appropriate
District Office

Env JN: 95031-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Red Cedar Generator
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Six Shooter Compressor Station
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State Colo → New Mexico
7. Location of Material (Street Address or ULSTR)	See 34, T33N, R9W, La Plata County, Colo

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.
- 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:

petroleum Contaminated soil (used oil) from the cleaning of
soil under a used compressor oil tank.

TCLP & Colo approvals ATTACHED

LF2
F15

RECEIVED
OCT 30 1996

RECEIVED
OCT 31 1996

OIL CON. DIV.
DIST. 5

Estimated Volume 10-15 cy Known Volume (to be entered by the operator at the end of the haul) 7 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10-30-96
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny D. Faint TITLE: Geologist DATE: 10/30/96

APPROVED BY: Roger Blunden TITLE: Bureau Chief DATE: 10/30/96

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
311 S. First
Artesia, NM 88210
District III - (505) 334-6178
1 Rio Brazos Road
Farmington, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 95031-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator <u>Red Cedar Graveling</u>
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site <u>Six Shooter Compressor Station</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 U.S. Highway 64 Farmington, NM 87401</u>	8. State <u>Colo → New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 30, T33N, R9W, La Plata Cnty, Colo</u>
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. 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:

petroleum Contaminated soil (used oil) from the cleaning of
soil under a used compressor oil tank.
TCLP & Colo approvals attached

RECEIVED
OCT 30 1996
OIL CON. DIV.
DIST. 3

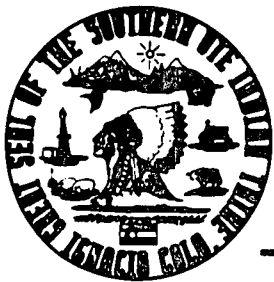
Estimated Volume 10-15 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10-30-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fount TITLE: Geologist DATE: 10/30/96

APPROVED BY: _____ TITLE: _____ DATE: _____



SOUTHERN UTE INDIAN TRIBE

Tribal Affairs Building

October 23, 1996

James H. Mayo
Red Cedar Gathering Company
26266 Hwy. 160
Durango, CO 81301

Dear Mr. Mayo:

The Environmental Programs Division has reviewed your request to transport non-exempt, non-toxic oil field waste from Colorado to New Mexico for landfarm remediation. Enclosed are the signed certificates necessary for transportation of the waste.

We request that you send us a copy of the NM permit when you receive it.

Thank you for your conscientious attention to this project.

Sincerely,

A handwritten signature in cursive script, reading "Cheryl L. Wiescamp".

Cheryl L. Wiescamp
Environmental Specialist
Environmental Programs Division

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Red Cedar Gathering Co.
Source: Six-Shooter Compressor station 3.34 of 33N, 9W.
Disposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Red Cedar Gathering Co. concur with the status of the waste from the subject site.

Name James H. Mayo
Title/Agency Manager, Safety & Environment
Red Cedar Gathering Company
Address 26266 Hwy. 160
Durango, Colorado 81310
Signature James H. Mayo
Date 10-18-96

**CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING
REMOVAL OF RCRA NON-EXEMPT, NON-TOXIC, OILFIELD
WASTE FROM THEIR JURISDICTION TO NEW MEXICO**

I have reviewed the enclosed information concerning the Non-exempt, Non-toxic oilfield waste material from Red Cedar Gathering Company's Six-shooter Field Compressor Station @ 33N, 9W. Sec. 34 and agree that by its description it is non-hazardous as defined by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statutes.

X The material is Non-exempt oilfield waste.

X The material is Non-hazardous by regulatory definition.

THEREFORE:

As a representative for the Southern Ute Indian Tribe I have no objection to the material being removed to New Mexico.

NAME: Michael A. Frost

TITLE: Director of Environmental Programs

SIGNATURE: Michael A. Frost DATE: 10/18/96

AGENCY: Southern Ute Indian Tribe

ADDRESS: P.O. Box 737, Ignacio, Colorado 81137

PHONE: (970) 563-0135

Red Cedar GATHERING

TCLP - SIX SHOOTER Compressor Station

pH - 8.41

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
✓ Arsenic	5.0	D004	✓ Hexachlorobenzene	0.13	D032
✓ Barium	100.0	D005	✓ Hexachlorobutadiene	0.5	D033
✓ Benzene	0.5	D018	✓ Hexachloroethane	3.0	D034
✓ Cadmium	1.0	D006	✓ Lead	5.0	D008
✓ Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlorodane	0.03	D020	✓ Mercury	0.2	D009
✓ Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
✓ Chloroform	6.0	D022	✓ Methyl ethyl ketone	200.0	D035
✓ Chromium	5.0	D007	✓ Nitrobenzene	2.0	D036
✓ Cresol	200.0	D026	✓ Pentachlorophenol	100.0	D037
✓ m-Cresol	200.0	D024	✓ Pyridine	5.0	D038
✓ o-Cresol	200.0	D023	✓ Selenium	1.0	D010
✓ p-Cresol	200.0	D025	✓ Silver	5.0	D011
HERBICIDE * 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
✓ 1,4-Dichlorobenzene	7.5	D027	✓ Tetrachloroethylene	0.7	D039
✓ 1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
✓ 1,1-Dichloroethylene	0.7	D029	✓ Trichloroethylene	0.5	D040
✓ 2,4-Dinitrotoluene	0.13	D030	✓ 2,4,5-Trichlorophenol	400.0	D041
PESTICIDE * Endrin	0.02	D012	✓ 2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	✓ Vinyl chloride	0.2	D043

* - EP Toxic wastes; TCLP must now be utilized for characterizing these wastes

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 15, 1996

Mr. Jim Mayo
Red Cedar Gathering Company
26266 Highway 160
Durango, Colorado 81301

Dear Mr. Mayo,

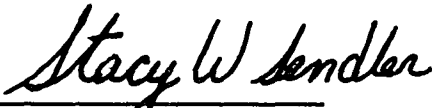
Enclosed are the analytical results for a soil sample collected from the "Sixshooter Compressor Station" location. One soil sample was collected by Red Cedar Gathering personnel, and delivered to the Envirotech laboratory on August 7, 1996. The sample was analyzed for hazardous waste characteristics (Volatiles, Semi-volatiles, Trace metals, Corrosivity, Reactivity and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 4850 and identified as Laboratory No. A453 for tracking purposes.

Results of the analysis indicate that the material from the designated location is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615, and it has been our pleasure doing business with you.

Respectively submitted,
Envirotech, Inc.



Stacy W. Sendler
Environmental Scientist/Laboratory Manager

enc.
SWS/sws

9503103.lb1

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Red Cedar Gathering	Project #:	95031-03
Sample ID:	Sample #1	Date Reported:	08-09-96
Lab ID#:	A453	Date Sampled:	08-07-96
Sample Matrix:	Soil	Date Received:	08-07-96
Preservative:	Cool	Date Analyzed:	08-08-96
Condition:	Cool & Intact	Chain of Custody:	4850

Parameter	Result
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IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: 8.41

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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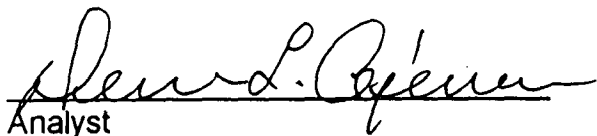
IGNITABILITY: Sample Ignition upon direct contact with flame indicates hazardous waste status.

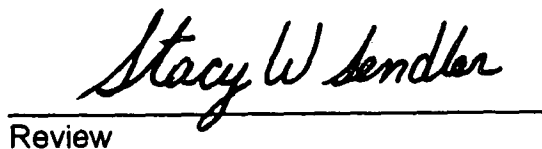
CORROSIVITY: pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.

REACTIVITY: Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: Six Shooter Compressor Station.


Analyst


Review

Client:	Red Cedar Gathering	Project #:	95031-03
Sample ID:	Sample #1	Date Reported:	08-13-96
Laboratory Number:	A453	Date Sampled:	08-07-96
Chain of Custody:	4850	Date Received:	08-07-96
Sample Matrix:	Soil	Date Extracted:	08-08-96
Preservative:	Cool	Date Analyzed:	08-12-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0074	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

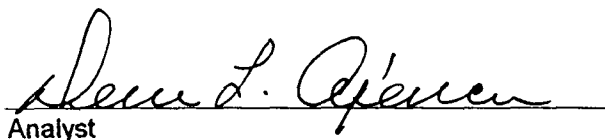
ND - Parameter not detected at the stated detection limit.

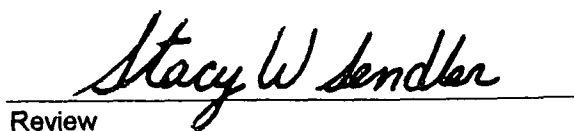
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Six Shooter Compressor Station.


Analyst


Review

Client:	Red Cedar Gathering	Project #:	95031-03
Sample ID:	Sample #1	Date Reported:	08-14-96
Laboratory Number:	A453	Date Sampled:	08-07-96
Chain of Custody:	4850	Date Received:	08-07-96
Sample Matrix:	Soil	Date Extracted:	08-08-96
Preservative:	Cool	Date Analyzed:	08-13-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.026	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	102%
	2,4,6-Tribromophenol	103%

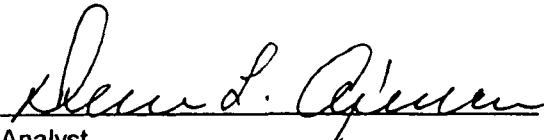
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Six Shooter Compressor Station.**


Analyst


Review

Client:	Red Cedar Gathering	Project #:	95031-03
Sample ID:	Sample #1	Date Reported:	08-13-96
Laboratory Number:	A453	Date Sampled:	08-07-96
Chain of Custody:	4850	Date Received:	08-07-96
Sample Matrix:	Soil	Date Extracted:	08-08-96
Preservative:	Cool	Date Analyzed:	08-13-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

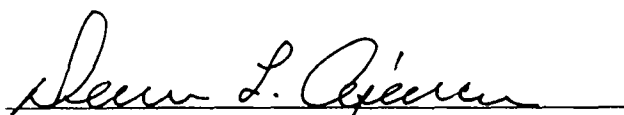
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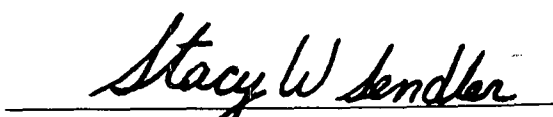
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Six Shooter Compressor Station.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	Red Cedar Gathering	Project #:	95031-03
Sample ID:	Sample #1	Date Reported:	08-14-96
Laboratory Number:	A453	Date Sampled:	08-07-96
Chain of Custody:	4850	Date Received:	08-07-96
Sample Matrix:	Soil	Date Analyzed:	08-14-96
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.050	0.001	5.00
Barium	2.67	0.01	100
Cadmium	0.007	0.001	1.00
Chromium	ND	0.001	5.00
Lead	0.004	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

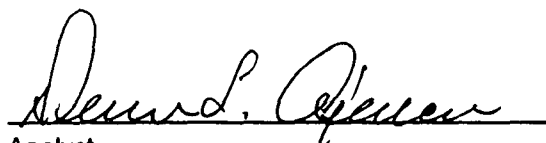
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Six Shooter Compressor Station.**


Analyst


Review

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-13-96
Laboratory Number:	08-12-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-12-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-13-96
Laboratory Number:	08-08-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-12-96
Condition:	N/A	Date Extracted:	08-08-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

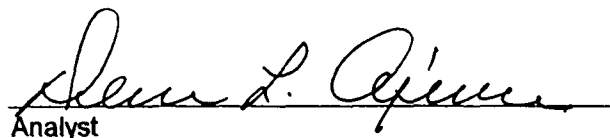
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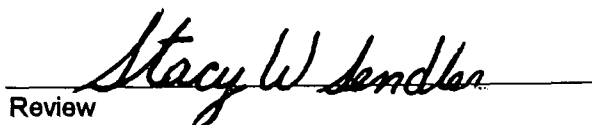
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

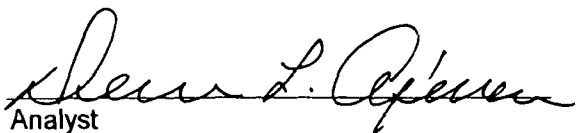
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-13-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-12-96
Condition:	N/A	Date Extracted:	08-08-96

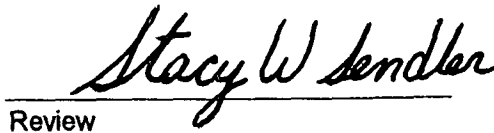
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0154	0.0157	0.0001	1.8%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0166	0.0166	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

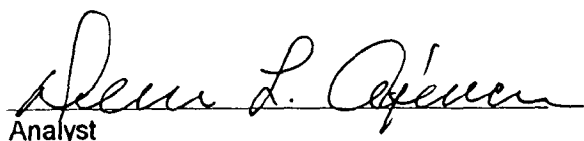
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Sample ID:	Matrix Spike	Date Reported:	08-13-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-12-96
Condition:	N/A	Date Extracted:	08-08-96

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0209	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0220	0.0001	98%	43-143
2-Butanone (MEK)	0.0154	0.020	0.0340	0.0001	96%	47-132
Chloroform	ND	0.020	0.0201	0.0001	98%	49-133
Carbon Tetrachloride	ND	0.020	0.0195	0.0001	98%	43-143
Benzene	0.0166	0.020	0.0362	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.020	0.0205	0.0001	99%	51-147
Trichloroethene	ND	0.020	0.0198	0.0003	99%	35-146
Tetrachloroethene	ND	0.020	0.0196	0.0005	95%	26-162
Chlorobenzene	ND	0.020	0.0214	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0203	0.0002	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-14-96
Laboratory Number:	08-13-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-13-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.026	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	98 %

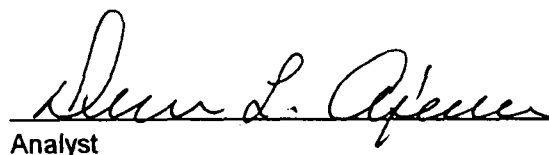
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

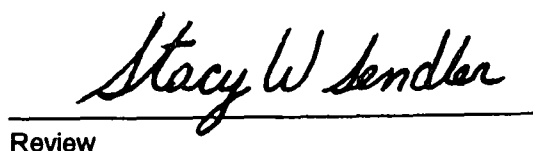
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-14-96
Laboratory Number:	08-08-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool & Intact	Date Analyzed:	08-13-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.026	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	103%
	2,4,6-Tribromophenol	98%

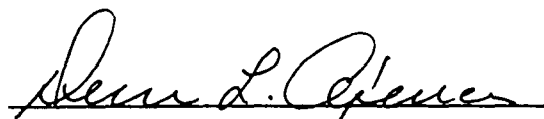
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

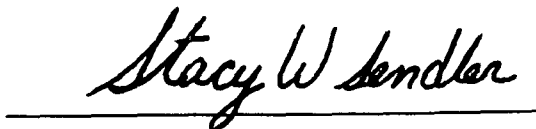
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-14-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool & Intact	Date Analyzed:	08-13-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.026	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

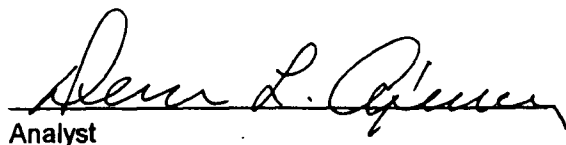
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report**

Client: QA/QC
Sample ID: Laboratory Blank
Laboratory Number: 08-13-TBN.BLANK
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 08-13-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 08-13-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

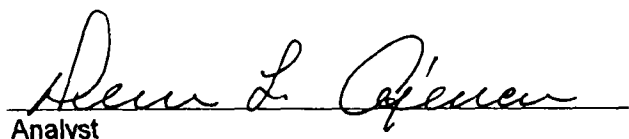
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT**

Client: QA/QC
Sample ID: Method Blank
Laboratory Number: 08-08-TBN.MB
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 08-13-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-08-96
Date Analyzed: 08-13-96
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

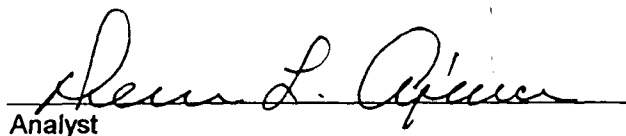
ND - Parameter not detected at the stated detection limit.

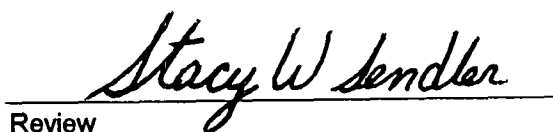
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report**

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: A449
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 08-13-96
Date Sampled: N/A
Date Received: N/A
Date Extracted: 08-08-96
Date Analyzed: 08-13-96
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

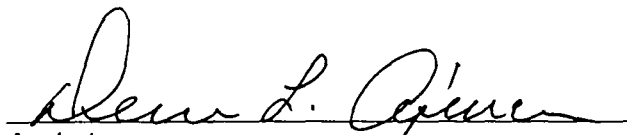
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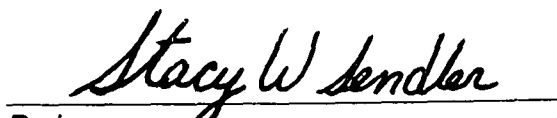
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	08-14-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-14-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

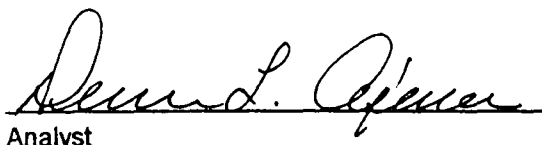
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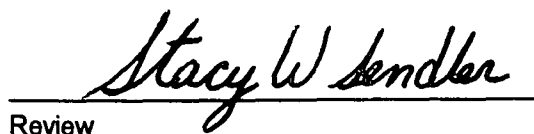
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-14-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-14-96
Condition:	N/A	Date Extracted:	08-08-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.010	0.011	9.5%
Barium	1.39	1.38	0.7%
Cadmium	0.024	0.024	0.0%
Chromium	ND	ND	0.0%
Lead	0.210	0.211	0.5%
Mercury	ND	ND	0.0%
Selenium	0.005	0.005	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

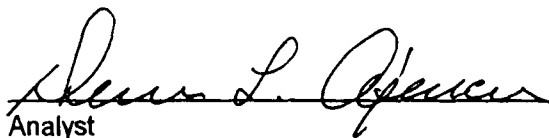
QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	Trace Metals	30 %

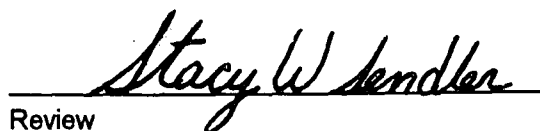
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

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Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	08-14-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-14-96
Condition:	N/A	Date Extracted:	08-08-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.010	0.111	101%
Barium	1.00	1.39	2.38	100%
Cadmium	0.050	0.024	0.073	99%
Chromium	0.050	ND	0.049	98%
Lead	0.100	0.210	0.309	100%
Mercury	0.025	ND	0.024	96%
Selenium	0.100	0.005	0.105	100%
Silver	0.050	ND	0.051	102%

ND - Parameter not detected at the stated detection limit.

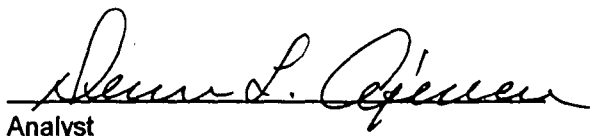
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

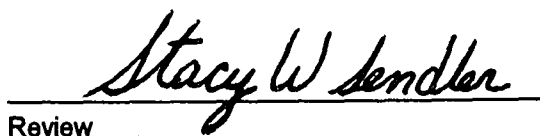
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

95031-03

CHAIN OF CUSTODY RECORD

Client/Project Name Red Cedar GARDENING			Project Location Six Shooter Compressor STATION		ANALYSIS/PARAMETERS							
Sampler: (Signature)			Chain of Custody Tape No.		No. of Containers 2	TCLP w/ 44P.						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
Sample #1	8-7-96	1:30	A453	Soil	2	✓						
Relinquished by: (Signature) [Signature]			Date 8-7-96	Time 4:42	Received by: (Signature) [Signature]						Date 8-7-96	Time 16:42
Quished by: (Signature) [Signature]					Received by: (Signature)							
Quished by: (Signature)					Received by: (Signature)							
ENVIROTECH INC. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615												

Harley I - (505) 393-6161
O. Box 1980
Tobbs, NM 86341-1980
Harley II - (505) 748-1283
11 S. First
Artesia, NM 88210
Harley III - (505) 334-6178
Rio Brazos Road
NM 87410
Harley IV - (505) 827-7131

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

Form C-
Originated &

Submit On
Plus 1
to approp
District C

Env JN: 95031-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Red Cedar Graveling
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Side window Compressor Sta.
2. Management Facility Destination Envirotech Soil Remediation Fac. Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State Colorado → New Mexico
7. Location of Material (Street Address or ULSTR)	See B, T32W, R9W, La Plata County Colorado

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.
- 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:

Used compressor oil contaminated soil generated during removal
at UST. ~~area~~

TCLP Attached w/ Colo approvals

LF 2
F 15

RECEIVED
OCT 31 1996

RECEIVED
OCT 30 1996

OIL CON. DIV.
DIST. 3

OIL CON. DIV.

Estimated Volume 10-15 cy Known Volume (to be entered by the operator at the end of the haul) 9 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10-30-96
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny J. Feint TITLE: Geologist DATE: 10/30/96

APPROVED BY: Roger L. Ruder TITLE: Bureau Chief DATE: 10/31/96

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 95031-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Red Cedar Grading 5. Originating Site Side window Compressor Sta.
2. Management Facility Destination Envirotech Soil Remediation Fac. Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State Colorado → New Mexico
7. Location of Material (Street Address or ULSTR)	See B, T32D, RQW, La Plata Curry Colorado
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. 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:

Used compressor oil contaminated soil generated during removal
of UST. ~~oil~~

TCLP Attached w/ Colo approvals

RECEIVED
OCT 30 1996

OIL CON. DIV.
DIST. 3

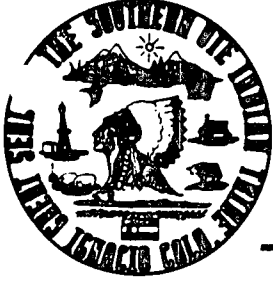
Estimated Volume 10-15 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10-30-96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny Z. Feint TITLE: Geologist DATE: 10/30/96

APPROVED BY: _____ TITLE: _____ DATE: _____



SOUTHERN UTE INDIAN TRIBE

Tribal Affairs Building

October 23, 1996

James H. Mayo
Red Cedar Gathering Company
26266 Hwy. 160
Durango, CO 81301

Dear Mr. Mayo:

The Environmental Programs Division has reviewed your request to transport non-exempt, non-toxic oil field waste from Colorado to New Mexico for landfarm remediation. Enclosed are the signed certificates necessary for transportation of the waste.

We request that you send us a copy of the NM permit when you receive it.

Thank you for your conscientious attention to this project.

Sincerely,

Cheryl L. Wiescamp
Environmental Specialist
Environmental Programs Division

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CERTIFICATE OF WASTE STATUS
OILFIELD NON-EXEMPT WASTE MATERIAL

Originating Location: Red Cedar Gathering Company
Source: Sidewinder Compressor Station Sec 8 of 32N, 9W,
Disposal Location: Envirotech Soil Remediation Facility. (NMED)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt oilfield production waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Red Cedar Gathering Co.
concur with the status of the waste from the subject site.

Name James H. Mayo
Title/Agency Manager, Safety & Environmental
Red Cedar Gathering Co.
Address 26266 Hwy. 160
Durango, Colorado 81301
Signature James H. Mayo
Date 10-18-96

**CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING
REMOVAL OF RCRA NON-EXEMPT, NON-TOXIC, OILFIELD
WASTE FROM THEIR JURISDICTION TO NEW MEXICO**

I have reviewed the enclosed information concerning the Non-exempt, Non-toxic oilfield waste material from Red Cedar Gathering Company's Sidewinder Field Compressor Station @ 32N, 9W, Sec. 8 and agree that by its description it is non-hazardous as defined by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statutes.

X The material is Non-exempt oilfield waste.

X The material is Non-hazardous by regulatory definition.

THEREFORE:

As a representative for the Southern Ute Indian Tribe I have no objection to the material being removed to New Mexico.

NAME: Michael A. Frost

TITLE: Director of Environmental Programs

SIGNATURE: Michael A. Frost

DATE: 10/18/96

AGENCY: Southern Ute Indian Tribe

ADDRESS: P.O. Box 737, Ignacio, Colorado 81137

PHONE: (970) 563-0135

Red Cedar Garaging

Sidewinder Compressor Station - TCLP

pH 6.18

Maximum Contaminant Concentrations For Toxicity Characteristic Wastes

Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.	Waste Stream Constituent	Concentration (milligrams/liter, mg/l)	EPA HW No.
* Arsenic	5.0	D004	Hexachlorobenzene	0.13	D032
* Barium	100.0	D005	Hexachlorobutadiene	0.5	D033
Benzene	0.5	D018	Hexachloroethane	3.0	D034
* Cadmium	1.0	D006	* Lead	5.0	D008
Carbon Tetrachloride	0.5	D019	* Lindane	0.4	D013 PESTICIDE
PESTICIDE Chlordane	0.03	D020	* Mercury	0.2	D009
Chlorobenzene	100.0	D021	* Methoxychlor	10.0	D014 PESTICIDE
Chloroform	6.0	D022	Methyl ethyl ketone	200.0	D035
* Chromium	5.0	D007	Nitrobenzene	2.0	D036
Cresol	200.0	D026	Pentachlorophenol	100.0	D037
m-Cresol	200.0	D024	Pyridine	5.0	D038
o-Cresol	200.0	D023	* Selenium	1.0	D010
p-Cresol	200.0	D025	* Silver	5.0	D011
HERBICIDE* 2,4-D	10.0	D016	* 2,4,5-TP (Silvex)	1.0	D017 HERBICIDE
1,4-Dichlorobenzene	7.5	D027	Tetrachloroethylene	0.7	D039
1,2-Dichloroethane	0.5	D028	* Toxaphene	0.5	D015 PESTICIDE
1,1-Dichloroethylene	0.7	D029	Trichloroethylene	0.5	D040
2,4-Dinitrotoluene	0.13	D030	2,4,5-Trichlorophenol	400.0	D041
PESTICIDE* Endrin	0.02	D012	2,4,6-Trichlorophenol	2.0	D042
PESTICIDE Heptachlor	0.008	D031	Vinyl chloride	0.2	D043

*-EP Toxic wastes: TCLP must now be utilized for characterizing these wastes

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 15, 1996

Mr. Jim Mayo
Red Cedar Gathering Company
26266 Highway 160
Durango, Colorado 81301

Dear Mr. Mayo,

Enclosed are the analytical results for soil samples collected from the "Sidewinder" location. Two soil samples were collected by Red Cedar Gathering personnel, and delivered to the Envirotech laboratory on August 8, 1996. The sample designated as "Sample #2 Sixshooter" was analyzed for Total Petroleum Hydrocarbons per USEPA Method 8015, modified for soil. The sample designated as "Sample #1 Sidewinder" was analyzed for hazardous waste characteristics (Volatiles, Semi-volatiles, Trace metals, Corrosivity, Reactivity and Ignitability).

The samples were documented on Envirotech Chain of Custody No. 4853 and identified as Laboratory Nos. A454 (Sample #2 Sixshooter) and A455 (Sample #1 Sidewinder) for tracking purposes.

Results of the analysis indicated that the material from the designated location (Laboratory no. A455) is not a characteristic hazardous waste as defined by 40 CFR, Section 261, Subpart C for the noted compounds.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615, and it has been our pleasure doing business with you.

Respectively submitted,
Envirotech, Inc.



Stacy W. Sandler
Environmental Scientist/Laboratory Manager

enc.
SWS/sws

95031.lb2

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Red Cedar Gathering	Project #:	95031-04
Sample ID:	Sample #1, Sidewinder	Date Reported:	08-09-96
Lab ID#:	A455	Date Sampled:	08-08-96
Sample Matrix:	Soil	Date Received:	08-08-96
Preservative:	Cool	Date Analyzed:	08-08-96
Condition:	Cool & Intact	Chain of Custody:	4853

Parameter	Result
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IGNITABILITY:	Did not ignite upon direct contact with flame.
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CORROSIVITY:	6.18
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REACTIVITY:	Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).
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RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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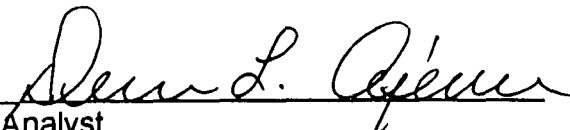
IGNITABILITY:	Sample Ignition upon direct contact with flame indicates hazardous waste status.
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CORROSIVITY:	pH less than or equal to 2.0 or pH greater than or equal to 12.5 indicates hazardous waste status.
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REACTIVITY:	Violent reaction with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric Acid) indicates hazardous waste status.
-------------	--

Reference:	40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.
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Comments:	Sidewinder.
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Analyst


Review

Client:	Red Cedar Gathering	Project #:	95031-04
Sample ID:	Sample #1 Sidewinder	Date Reported:	08-13-96
Laboratory Number:	A455	Date Sampled:	08-08-96
Chain of Custody:	4853	Date Received:	08-08-96
Sample Matrix:	Soil	Date Extracted:	08-09-96
Preservative:	Cool	Date Analyzed:	08-12-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.0183	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0210	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

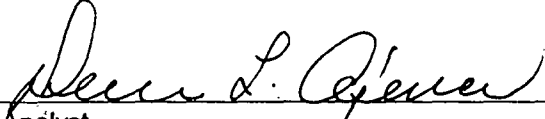
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Sidewinder.


Analyst


Review

Client:	Red Cedar Gathering	Project #:	95031-04
Sample ID:	Sample #1 Sidewinder	Date Reported:	08-14-96
Laboratory Number:	A455	Date Sampled:	08-08-96
Chain of Custody:	4853	Date Received:	08-08-96
Sample Matrix:	Soil	Date Extracted:	08-09-96
Preservative:	Cool	Date Analyzed:	08-13-96
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.026	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	98%

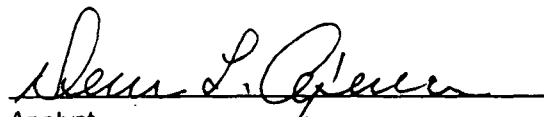
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

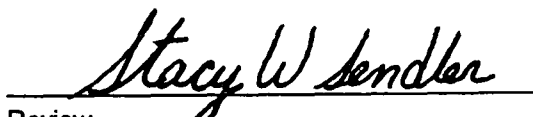
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: **Sidewinder.**


Analyst


Review

Client:	Red Cedar Gathering	Project #:	95031-04
Sample ID:	Sample #1 Sidewinder	Date Reported:	08-13-96
Laboratory Number:	A455	Date Sampled:	08-08-96
Chain of Custody:	4853	Date Received:	08-08-96
Sample Matrix:	Soil	Date Extracted:	08-09-96
Preservative:	Cool	Date Analyzed:	08-13-96
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

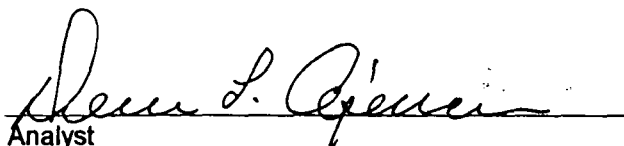
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: Sidewinder.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Red Cedar Gathering	Project #:	95031-04
Sample ID:	Sample #1 Sidewinder	Date Reported:	08-14-96
Laboratory Number:	A455	Date Sampled:	08-08-96
Chain of Custody:	4853	Date Received:	08-08-96
Sample Matrix:	Soil	Date Analyzed:	08-14-96
Preservative:	Cool	Date Extracted:	08-09-96
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.023	0.001	5.00
Barium	3.15	0.01	100
Cadmium	0.027	0.001	1.00
Chromium	ND	0.001	5.00
Lead	ND	0.001	5.00
Mercury	ND	0.001	0.200
Selenium	ND	0.001	1.00
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

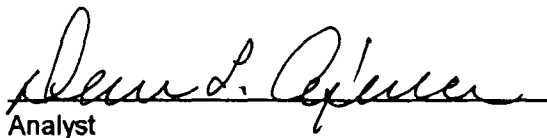
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: Sidewinder.


Analyst


Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

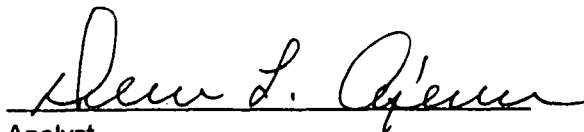
Client:	Red Cedar Gathering	Project #:	95031-04
Sample ID:	Sample #2 Six Shooter	Date Reported:	08-09-96
Laboratory Number:	A454	Date Sampled:	08-08-96
Chain of Custody No:	4853	Date Received:	08-08-96
Sample Matrix:	Soil	Date Extracted:	08-09-96
Preservative:	Cool	Date Analyzed:	08-09-96
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.2	0.2
Diesel Range (C10 - C28)	3.0	0.1
Total Petroleum Hydrocarbons	4.2	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: **Six Shooter.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-13-96
Laboratory Number:	08-12-TCV.BLANK	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-12-96
Condition:	N/A	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

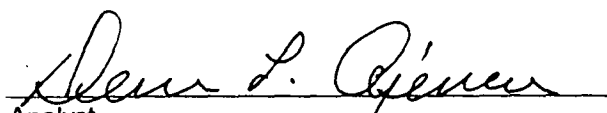
ND - Parameter not detected at the stated detection limit.

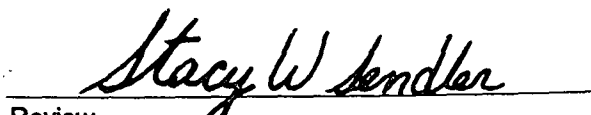
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

**EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-13-96
Laboratory Number:	08-08-TCV.MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-12-96
Condition:	N/A	Date Extracted:	08-08-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	ND	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	ND	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	ND	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	99%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

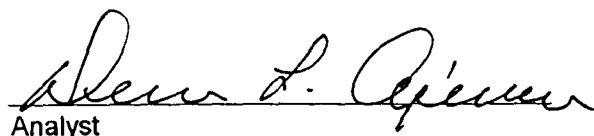
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-13-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-12-96
Condition:	N/A	Date Extracted:	08-08-96

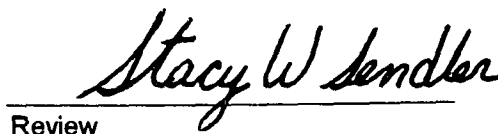
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0154	0.0157	0.0001	1.8%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0166	0.0166	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

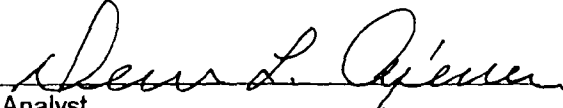
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-13-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-12-96
Condition:	N/A	Date Extracted:	08-08-96

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.020	0.0209	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.020	0.0220	0.0001	98%	43-143
2-Butanone (MEK)	0.0154	0.020	0.0340	0.0001	96%	47-132
Chloroform	ND	0.020	0.0201	0.0001	98%	49-133
Carbon Tetrachloride	ND	0.020	0.0195	0.0001	98%	43-143
Benzene	0.0166	0.020	0.0362	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.020	0.0205	0.0001	99%	51-147
Trichloroethene	ND	0.020	0.0198	0.0003	99%	35-146
Tetrachloroethene	ND	0.020	0.0196	0.0005	95%	26-162
Chlorobenzene	ND	0.020	0.0214	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.020	0.0203	0.0002	100%	42-143

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 5030, Purge-and-Trap, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organic, SW-846, USEPA, Sept. 1994.
Method 8020, Aromatic Volatile Organics, SW-846, USEPA, Sept. 1994.

Comments: QA/QC for samples A449, A453 and A455..


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-14-96
Laboratory Number:	08-13-TCA.BLANK	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-13-96
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results	Concentration	Detection	Regulatory
Parameter	(mg/L)	Limit	Limit
		(mg/L)	(mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.026	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	98 %

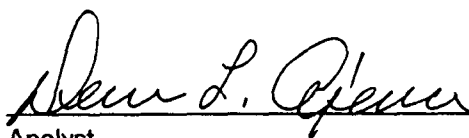
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-14-96
Laboratory Number:	08-08-TCA.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool & Intact	Date Analyzed:	08-13-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.026	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	103%
	2,4,6-Tribromophenol	98%

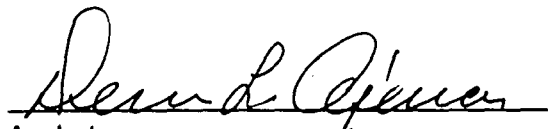
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

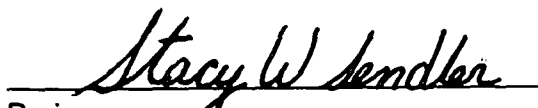
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 198

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-14-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool & Intact	Date Analyzed:	08-13-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	ND	ND	0.020	0.0%
p,m-Cresol	ND	ND	0.040	0.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.026	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8040 Compounds	30.0%

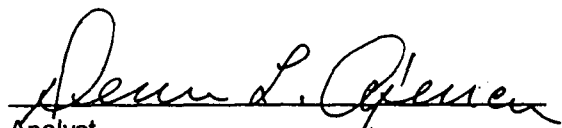
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-13-96
Laboratory Number:	08-13-TBN.BLANK	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	08-13-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

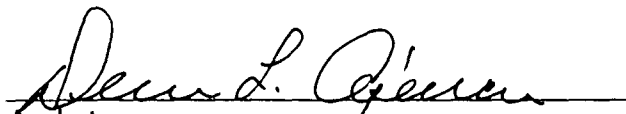
ND - Parameter not detected at the stated detection limit.

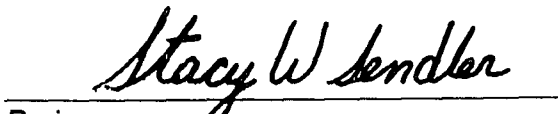
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-13-96
Laboratory Number:	08-08-TBN.MB	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-08-96
Condition:	Cool and Intact	Date Analyzed:	08-13-96
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	3.0
Nitrobenzene	ND	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

ND - Parameter not detected at the stated detection limit.

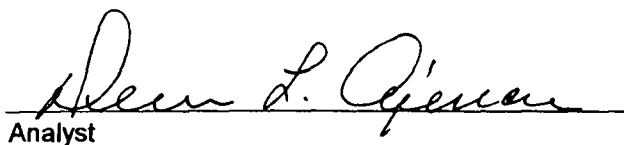
QA/QC Acceptance Criteria	Parameter	Percent Recovery
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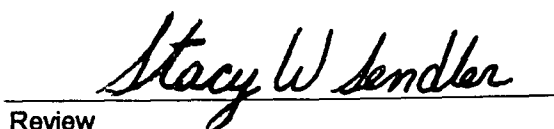
2-fluorobiphenyl 97%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

EPA Method 8090
Nitroaromatics and Cyclic Ketones
TCLP Base/Neutral Organics
QA/QC Matrix Duplicate Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-13-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Extracted:	08-08-96
Condition:	N/A	Date Analyzed:	08-13-96
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	ND	ND	0.0%	0.020
Hexachloroethane	ND	ND	0.0%	0.020
Nitrobenzene	ND	ND	0.0%	0.020
Hexachlorobutadiene	ND	ND	0.0%	0.020
2,4-Dinitrotoluene	ND	ND	0.0%	0.020
HexachloroBenzene	ND	ND	0.0%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
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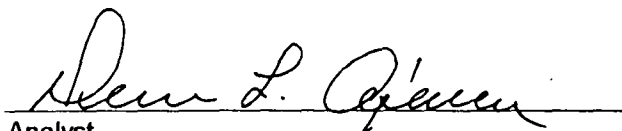
8090 Compounds

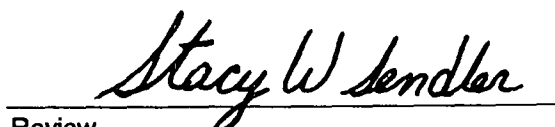
30%

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.
Method 3510, Separatory Funnel Liquid-Liquid Extraction, SW-846, USEPA, July 1992.
Method 8090, Nitroaromatics and Cyclic Ketones, SW-846, USEPA, Sept. 1986.

Note: Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	08-14-96
Laboratory Number:	N/A	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-14-96
Condition:	N/A	Date Extracted:	N/A

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	ND	ND	0.001
Barium	ND	ND	0.01
Cadmium	ND	ND	0.001
Chromium	ND	ND	0.001
Lead	ND	ND	0.001
Mercury	ND	ND	0.001
Selenium	ND	ND	0.001
Silver	ND	ND	0.001

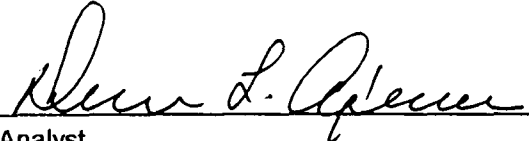
ND - Parameter not detected at the stated detection limit.

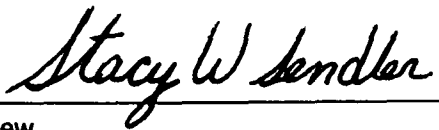
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-14-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-14-96
Condition:	N/A	Date Extracted:	08-08-96

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference
Arsenic	0.010	0.011	9.5%
Barium	1.39	1.38	0.7%
Cadmium	0.024	0.024	0.0%
Chromium	ND	ND	0.0%
Lead	0.210	0.211	0.5%
Mercury	ND	ND	0.0%
Selenium	0.005	0.005	0.0%
Silver	ND	ND	0.0%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
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Trace Metals

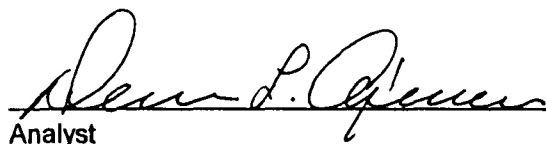
30 %

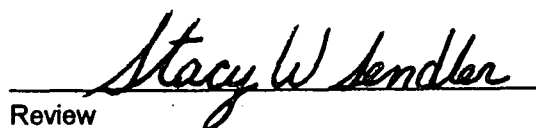
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: **QA/QC for samples A449, A453 and A455.**


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	08-14-96
Laboratory Number:	A449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	08-14-96
Condition:	N/A	Date Extracted:	08-08-96

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
Arsenic	0.100	0.010	0.111	101%
Barium	1.00	1.39	2.38	100%
Cadmium	0.050	0.024	0.073	99%
Chromium	0.050	ND	0.049	98%
Lead	0.100	0.210	0.309	100%
Mercury	0.025	ND	0.024	96%
Selenium	0.100	0.005	0.105	100%
Silver	0.050	ND	0.051	102%

ND - Parameter not detected at the stated detection limit.

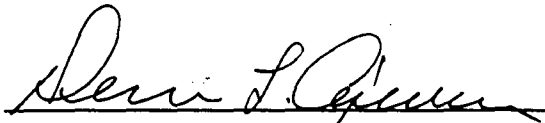
QA/QC Acceptance Criteria:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120 %

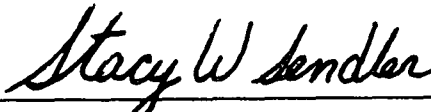
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, July 1992.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA.

Comments: QA/QC for samples A449, A453 and A455.


Analyst


Review

**EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Quality Assurance Report

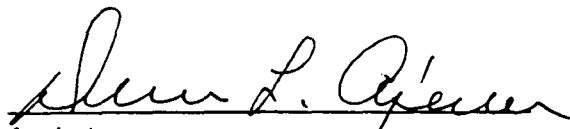
Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-09-96
Laboratory Number:	08-09-TPH.BLANK	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-09-96
Condition:	N/A	Analysis Requested:	TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for sample A454.


Analyst


Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-09-96
Laboratory Number:	A454	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-09-96
Condition:	Cool and Intact	Analysis Requested:	TPH

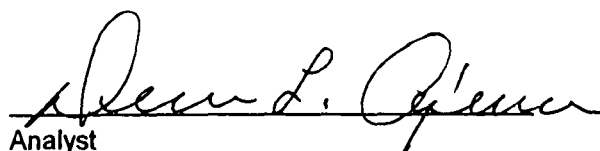
Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Gasoline Range (C5 - C10)	1.2	1.2	0.0%
Diesel Range (C10 - C28)	3.0	3.0	0.0%
Total Petroleum Hydrocarbons	4.2	4.2	0.0%

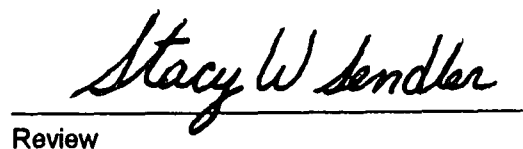
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Max Difference
	Petroleum Hydrocarbons	30%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for sample A454.


Analyst


Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Hydrocarbons
Total Petroleum Hydrocarbons
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-09-96
Laboratory Number:	A454	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	TPH	Date Analyzed:	08-09-96
Condition:	N/A		

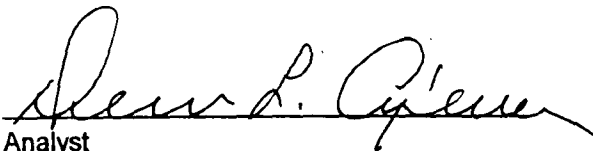
Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked Sample Result (mg/kg)	Det. Limit (mg/kg)	Percent Recovery
Gasoline Range (C5 - C10)	1.2	250	250	0.2	99%
Diesel Range (C10 - C28)	3.0	250	245	0.1	97%
Total Petroleum Hydrocarbons	4.2	500	495	0.2	98%

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Acceptance Range
	Petroleum Hydrocarbons	75 - 125%

References: Method 8015, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Comments: QA/QC for sample A454.


Analyst


Review

95031-04

CHAIN OF CUSTODY RECORD

Client/Project Name Red Cedar Gathering			Project Location Sidewinder		ANALYSIS/PARAMETERS							
Sampler: (Signature) * James H Mayo			Chain of Custody Tape No.		No. of Containers	TCLP % SOS TPH						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
* Sample #2 Six Shooter	8-8	9:00 am	A454	Soil	1		X					Six Shooter
Sample #1 Sidewinder	8-8	9:30 am	A455	Soil	2	X						Sidewinder
	8-8	9:30 am		Soil	1	↓						Sidewinder
Relinquished by: (Signature) * James H Mayo			Date 8-8-96	Time 1730	Received by: (Signature) Ken L. O'Brien						Date 8-8-96	Time 1730
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.

5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env JN: 93163

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐	4. Generator Phillips Petroleum
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Various SWA Separator, Sites
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Phillips
3. Address of Facility Operator 5796 U.S. Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	SEE ATTACHED
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. 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:

Dry B S & W (stones in Bags @ Phillips main yard) from RCRA Exempt Tanks and Vessels at the 29-6 SWD, 31-D SWD, and various Separator pits associated w/ Natural Gas Production.
(Norms readings attached) To be shipped in 2-3 lots

RECEIVED
OCT 23 1996

OIL CON. DIV.

DIST. 3

Estimated Volume 22 cy Known Volume (to be entered by the operator at the end of the haul) 80 bbls cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10/23/96
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY: Denny G. Fent TITLE: Geologist DATE: 10/23/96

APPROVED BY: Gene Burch TITLE: Geologist DATE: 10/23/96

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: 29-6 SWD; 31-6 SWD; VARIOUS SEPARATOR-SITES @ PPC
Source: BS & W FROM RRA EXEMPT TANKS & VESSELS (EOP WASTE)
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned, as the agent for Phillips Petroleum Co.
concur with the status of the waste from the subject site.

Name Robert A. Wirtanen
Title/Agency Phillips SR. S&E Supt.
Address 5325 Hwy 64
FARMINGTON NM
Signature Robert A. Wirtanen
Date 10-17-96

Post-it* Fax Note	7671	Date	10/18/96	# of pages	1
To	Harland Brown	From	Bob Wirtanen		
Co./Dept.	Envirotech	Co.	Phillips Petroleum		
Phone #	632-0615	Phone #	599-3462		
Fax #	632-1865	Fax #	599-3442		

INSPECTION FOR N.O.R.M. CONTAMINATION PHILLIPS PETROLEUM COMPANY

Location: Lower VARD @ Phillips 5525 Hwy 64 - Fm Date: 10-17-96
 Survey Instrument Model: LUDLUM MODEL-3 Last Calibrated: 6-24-96
 Item Description: BASIC SEDIMENTS & SCALE FROM VARIOUS PHILLIPS SITES VIA TANK BOTTOMS & PRODUCTION SEPARATORS

Number of Pieces: 5.5 CUBIC YARDS

Location Where Items Originated: 29-6 SWD; 31-6 SWD; 32-8 SWD & VARIOUS FIELD PRODUCTION SEPARATORS @ 29-5/29-6/30-5/31-6/32-7/32-8

Background Reading: 15 uR/hr

Highest NORM reading: 24 + BACKGROUND = 39 uR/hr includes BACKGROUND

Lowest NORM reading: 10 LOWEST BACKGROUND uR/hr includes BACKGROUND

Any samples taken, if so how many: NO SAMPLES TAKEN FOR LAB ANALYSIS

N/A - 0 - Pieces inspected @ LAB

N/A - 0 - Pieces found to be free of NORM contamination @ LAB

N/A - 0 - Pieces found to have NORM contamination @ LAB

Remarks: _____

Inspector: ROBERT A. WIGTANSEN Robert A. Witten

What is final disposition: TO GO TO ENVIROTECH FACILITY @ - Hwy #44

Released to: HARLAN BROWN @ ENVIROTECH
- PENDING OGD APPROVAL -

Date: _____



SUNTRAC SERVICES, INC.

INSTRUMENT CALIBRATION CERTIFICATE

DATE 6-24-96 MAKE Ludlum MODEL 3 S/N 80757
 OWNER Phillips Petroleum LOCATION Farmington, NM
 DET. MAKE Ludlum DET. MODEL 44-2 DET. S/N PRO 25400

METER RANGE	UNITS	CALCULATED READING	METER READING
<u>0-3</u>	<u>microR/hr</u>	<u>.74</u>	<u>.75</u>
<u>0-30</u>	↓	<u>2.2</u>	<u>2.2</u>
<u>0-300</u>		<u>7.4</u>	<u>7.5</u>
<u>0-3000</u>		<u>22</u>	<u>22</u>
<u>0-30000</u>		<u>74</u>	<u>75</u>
		<u>220</u>	<u>220</u>
		<u>740</u>	<u>800</u>
		<u>2400</u>	<u>2200</u>

Pulser Cal.

Instrument has been Calibrated in accordance with Texas Regulations for Control of Radiation under Texas Radioactive Material License No. LO-3062 and Requirements of MIL-STD-45662A and ANSI-N323-1978.

T: 75 °F RH: 62 % ALT: 763 mm Hg
 PULSER MAKE LUDLUM MODEL 500 Pulser S/N 50802
 ISOTOPE Cs 137 ACTIVITY 104.4 mCi SOURCE-S/N A280
 NEXT CALIBRATION DUE: 6-24-97

CERTIFIED BY [Signature]