

NM1-11

C-138

Date: 1999

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: 98031-045

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Donny Faust 6.28.99 10:30	4. Generator Cross Timbers
2. Management Facility Destination	Envirotech Soil Remediation Facility Landfarm #2	5. Originating Site Ross Sullivan C#1
3. Address of Facility Operator	5796 US 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.		"N" Sac 28, - T294, R100

BRIEF DESCRIPTION OF MATERIAL:

Soil & Emulsion (Aspen Fiber) contaminated w/ crude oil

RECEIVED
JUL - 1 1999
OIL CON. DIV.
DIST. 3

Never hauled DGT 4/14/01

Estimated Volume 4 drums cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 6.30.99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Donny Faust TITLE: Geologist DATE: 7/1/99

APPROVED BY: E. Brown TITLE: _____ DATE: _____



CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Cross Timbers Operating Company 6001 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Sullivan Gas Com C # 1 Unit N - Sec 28 - T29N - R10W San Juan County, NM	
Location of the Waste (Street address &/or ULSIR): SAME	
Attach list of originating sites as appropriate	
4. Source and Description of Waste Crude oil contaminated excelsior (aspen fiber) & soil	

I, Tony L. Sternberger representative for:

Cross Timbers Operating Company do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste
 ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis by product identification

and that nothing has been added to the exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information
 ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature):

Title: Production Foreman

Date: 6/30/99

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NM 87410
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New Mexico
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Oil Conservation Division
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Santa Fe, New Mexico 87505
(505) 827-7131

Form C-138
Originated 8/8/95

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Env. JN: 97070-05

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator <u>Conoco Inc.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Faye Burdette #1</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>Dan's Trucking</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:

Drilling muds developed during a well work-over.

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JUL - 1 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 240 bbls cy Known Volume (to be entered by the operator at the end of the haul) 400 bbls cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 6-30-99
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: 7/1/99

APPROVED BY: E. Brown TITLE: - DATE: -

Danny Faust
6.30.99
15:15

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Conoco 3315 Bloomfield Hwy Farmington New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): FAKE BURDETTE #1 "G" Sec 9 T30N R11W San Juan County. Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): SAME
4. Source and Description of Waste Drilling muds developed during a well work over	

I, Shirley L. EBERT representative for:
(Print Name)
CONOCO INC. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Shirley L. Ebert

Title: SHEAR Specialist

Date: 7/1/99

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P.O. Box 1890
Hobbs, NM 88241-1980
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Alamogordo, NM 87410
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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
JUL 6 1999
Environmental Bureau
Oil Conservation Division
Env. JN: 97050
Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>WFS - Hazardous District</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <i>Horse Canyon Reclamation</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>WFS</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>Sec. 26 T30N R9W S1C NW</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 reboiler sludge disposal

TCLP & Norms Attached.

(HSDS for products that may be included have been submitted in previous C-138's).

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JUL - 6 1999

RECEIVED
JUN 25 1999

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

Estimated Volume *1 bbl.* cy Known Volume (to be entered by the operator at the end of the haul) *1661* cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Manager* DATE: *6-25-99*
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. Kent* TITLE: *Geologist* DATE: *6/25/99*

APPROVED BY: *Martyn J. Hub* TITLE: *Environmental Geologist* DATE: *7/1/99*

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Env. JN: 97050

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>WFS - Hazardous District</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Horse Canyon Reclaiming</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>WFS</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec. 26 T30N R9W S1C NW</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 reboiler sludge disposal

TCLP & Norms Attached.

(MSDS for products that may be included have been submitted with previous C-138's).

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JUN 25 1999

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: Harlan M. Brown TITLE: Landfarm Manager DATE: 6-25-99
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. Fout TITLE: Geologist DATE: 6/25/99
APPROVED BY: _____ TITLE: _____ DATE: _____



AESCO Access Equipment & Service Company, Inc.

5680 U.S. HIGHWAY 64 • 87401 / P.O. BOX 929 • 87499
FARMINGTON, NEW MEXICO
PHONE: (505) 327-2222 • FAX: (505) 327-7550

NORM SURVEY DATA SHEET

Facility/Location: Horse Canyon Reclaimer Date: 1-7-99

Meter Model: 3007A Serial No.: 9808-238

Detector Type: [] Model 3012 Serial No.: 201-887-7100

[] Model _____ Serial No.: _____

Battery Check [1] Source Check []

Calibration Date: 3-11-98

Source Type: _____

60 CPM = ~~0.1~~ millirehms

Background Radiation Level: 20 ^{CPM} _{microR/hr}

Description of Equipment/Material Surveyed: Solid Waste

Item/Material Surveyed
(Description, Serial Number, Size Quantity, etc.)

Maximum microR/hr.

Reboiler Sludge

Lower
than 417 CPM
background

1 55 gal Drum

Comments: _____

Survey(s) Conducted By: _____

Gary Howe

(Print Name)

Gary Howe

(Signature)

TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL CONCENTRATION

Client: **Williams Field Services**
Project: **Horse Canyon Reclaimer**
Sample ID: **Horse Canyon Reclaimer**
Laboratory ID: **0398G06149**
Sample Matrix: **Solid**

Date Reported: **11/02/98**
Date Sampled: **10/20/98**
Date Received: **10/20/98**
Date Analyzed: **11/02/98**

Element	Test Result	Background	Limit	Unit
---------	-------------	------------	-------	------

Arsenic.....	<0.061	0.061	5	mg/L
Barium.....	0.80	0.001	100	mg/L
Cadmium.....	<0.008	0.008	1	mg/L
Chromium.....	0.027	0.008	5	mg/L
Lead.....	<0.04	0.04	5	mg/L
Mercury.....	<0.0004	0.0004	0.2	mg/L
Selenium.....	<0.05	0.05	1	mg/L
Silver.....	<0.03	0.03	5	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure,
SW-846 "Test Methods for Evaluating Solid Waste:
Physical/Chemical Methods" 3rd Edition, Final Update III, December, 1996.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total
Metals, SW-846 "Test Methods for Evaluating Solid Waste: Physical/
Chemical Methods" 3rd Edition, Final Update III, December, 1996.

Comments:

Reported By: 

Reviewed: 

VOLATILE ORGANIC TOXICITY CHARACTERISTIC LIST

TCLP Leachate

Method 8260

Client: **Williams Field Services**
Project: **Horse Canyon Reclaimer**
Sample ID: **Horse Canyon Reclaimer**
Laboratory ID: **0398G06149**
Sample Matrix: **Solid**

Date Reported: **11/03/98**
Date Sampled: **10/20/98**
Date Received: **10/20/98**
Date Analyzed: **11/02/98**

Parameter	Method	Concentration	Unit
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Benzene	ND	0.10	0.5	mg/L
Carbon Tetrachloride	ND	0.10	0.5	mg/L
Chlorobenzene	ND	0.10	100	mg/L
Chloroform	ND	0.10	6.0	mg/L
1,2-Dichloroethane	ND	0.10	7.5	mg/L
1,1-Dichloroethylene	ND	0.10	0.5	mg/L
1,4 Dichlorobenzene	ND	0.10	0.7	mg/L
Methyl Ethyl Ketone (MEK)	0.55	0.10	200	mg/L
Tetrachloroethylene	ND	0.10	0.7	mg/L
Trichloroethylene	ND	0.10	0.5	mg/L
Vinyl chloride	ND	0.10	0.2	mg/L

ND- Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

SEMI-VOLATILE ORGANICS /TCLP
TCLP Leachate
Method 8270

Client: Williams Field Services
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06149
Sample Matrix: Solid

Date Reported: 11/03/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Result	Method	Units	Notes
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Cresol (Total)	ND	1.0	200	mg/L
2,4-Dinitrotoluene	ND	0.10	0.13	mg/L
Hexachlorobenzene	ND	0.10	0.13	mg/L
Hexachlorobutadiene	ND	0.20	0.5	mg/L
Hexachloroethane	ND	0.10	3.0	mg/L
Nitrobenzene	ND	0.50	2.0	mg/L
Pentachlorophenol	ND	0.20	100	mg/L
Pyridine	ND	0.50	5.0	mg/L
2,4,5-Trichlorophenol	ND	0.50	400	mg/L
2,4,6-Trichlorophenol	ND	0.50	2.0	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

TCLP HERBICIDES
TCLP Leachate
Method 8150A

Client: **Williams Field Services**
Project: **Horse Canyon Reclamer**
Sample ID: **Horse Canyon Reclamer**
Laboratory ID: **0398G06149**
Sample Matrix: **Solid**

Date Reported: **11/03/98**
Date Sampled: **10/20/98**
Date Received: **10/20/98**
Date Analyzed: **11/02/98**

Parameter	Method	Result	Units
-----------	--------	--------	-------

2,4-D	ND	0.01	10	mg/L
2,4,5-TP (Silvex)	ND	0.003	1.0	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

TCLP PESTICIES
TCLP Leachate
Method 8080A

Client: **Williams Field Services**
Project: **Horse Canyon Reclaimer**
Sample ID: **Horse Canyon Reclaimer**
Laboratory ID: **0398G06149**
Sample Matrix: **Solid**

Date Reported: **11/03/98**
Date Sampled: **10/20/98**
Date Received: **10/20/98**
Date Analyzed: **11/02/98**

Parameter	Unit	Result	Method	Unit
-----------	------	--------	--------	------

gamma-BHC (Lindane)	ND	0.01	0.04	mg/L
Chlordane	ND	0.01	0.03	mg/L
Endrin	ND	0.01	0.02	mg/L
Heptachlor	ND	0.005	0.008	mg/L
Heptachlor Epoxide	ND	0.005	0.008	mg/L
Methoxychlor	ND	0.01	10.0	mg/L
Toxaphene	ND	0.01	0.5	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

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New Mexico
Energy Minerals and Natural Resources Department
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Form C-138
Originated 8/8/95

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Env. JN: 99033.01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Donny Foust 6.23.99 15:00</i>	4. Generator <i>Rim OPERATING</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Roadrunner Central Tank Station</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>VARIOUS via Envirotech.</i>
7. Location of Material (Street Address or ULSTR)	8. State <i>Ute into Ute Colo. → NM.</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:

Clean up of product & water released during a tank rupture.

RECEIVED
JUN 25 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 300 cy Known Volume (to be entered by the operator at the end of the haul) 500 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 6.23.99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Donny Foust* TITLE: Geologist DATE: 6/25/99

APPROVED BY: *E. Brown* TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: RIM OPERATING 5 Inverness Drive East Englewood, CO 80112	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Roadrunner Central Tank Battery SEC 14 - T33½N - R20W Montezuma, CO <i>Attach list of originating sites as appropriate</i>	
Location of the Waste (Street address &/or ULSTR):	
4. Source and Description of Waste Upset from tank rupture; soil contaminated with approximately 200 barrels of oil and water	

I, William J. Holcomb representative for:
(Print Name)

RIM Operating do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): W.J. Holcomb

Title: Agent for RIM Operating

Date: June 23, 1999



UTE MOUNTAIN UTE TRIBE

Towaoc, Colorado 81334
(970) 565-3751

June 23, 1999

Mr. W.J. Holcomb
Rim Operating
5 Inverness Drive East
Englewood, Colorado 80112

Re: Notification of Transportation of Petroleum Contaminated Soil, exempt
Roadrunner Section 14 Tank Battery, Ute Mountain Ute Reservation

Dear Mr. Holcomb:

Thank you for notifying the Ute Mountain Ute Environmental Programs Department of the transportation of oil field waste from the above referenced site to an approved disposal site in New Mexico. It is our understanding that petroleum contaminated soil will be removed to the Envirotech disposal facility in Farmington, New Mexico.

Certification may be required by the State of New Mexico Oil Conservation Commission (NMOCD) from your company, the transporter or the generator. Transportation of this waste may be subject to other state and federal laws. The Ute Mountain Ute Tribe accepts no liability associated with the disposal of this waste.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Crist".

Cindy Crist, Director
Environmental Programs Department
Ute Mountain Ute Tribe

Cc: Harlan Brown, Envirotech
Gordon Hammond, UMU Energy Department
Ilyse Auringer, BLM

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New Mexico
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Originated 8/8/95

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Env. JN: 9705 7-12

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>	4. Generator E.P.F.S.
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site Martinez Canyon Station
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech.
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico.
7. Location of Material (Street Address or ULSTR)	SE4 SE4 Sec 16, T27N, R6W Rio Arriba County, 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:

glycol contaminated soil

RECEIVED
JUN 25 1999
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 6.21.99
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: 6/25/99
APPROVED BY: E. P. F. S. TITLE: DATE:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Martinez Canyon Station Attach list of originating sites as appropriate	Location of Waste(Street address &/or ULSTR): SE/4 of the SE/4, Section 16, T27N, R6W Rio Arriba County, New Mexico
4. Source and Description of Waste Glycol carryover from the natural gas dehydrator	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: May 11, 1999

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: 97018

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Dennis Faust 6.21.99 10:30</i>	4. Generator <i>NATCO</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Material Yard</i>
3. Address of Facility Operator <i>5796 US 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.	<i>2855 Southside River Rd. Farmington, NM 87401</i>

BRIEF DESCRIPTION OF MATERIAL:

'PETROLEUM Hydrocarbon contaminated solids generated during cleaning and refurbishing oil & gas production equipment.
Norms tests
&
Equipment locations attached.

RECEIVED
JUN 25 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 6 drums cy Known Volume (to be entered by the operator at the end of the haul) 6 drums cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 6.21.99
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><i>Dennis G. Faust</i></u> <i>look at NORM survey</i>	TITLE: <u>Geologist</u>	DATE: <u>6/25/99</u>
APPROVED BY: <u><i>E. Bush</i></u>	TITLE: <u></u>	DATE: <u></u>

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: National Tank Co. 2855 Southside River Road Farmington N.M.	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Location of the Waste (Street address &/or ULSTR): Solids generated during the cleaning of oil and gas production equipment at NATCO,s yard <small>Attach list of originating sites as appropriate</small>	
4. Source and Description of Waste Contaminated dirt and sluge, see attatched List	

I, Richard Lumbert Richard Lumbert representative for:
NATCO (Print Name) do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

<input type="checkbox"/> MSDS Information	<input type="checkbox"/> Other (description):
<input type="checkbox"/> RCRA Hazardous Waste Analysis	
<input type="checkbox"/> Chain of Custody	

Name (Original Signature): Richard Lumbert
 Title: Shop Foreman
 Date: 8-21-99

[illegible]



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natco Yard - south side Date: 6-21-99

Survey instrument model: Mud. Ludlem #2-98 Last calibrated: _____

Item description: 6 - Plastic Barrels

Number of pieces: 6

Location where items originated: Valley Scrap metal Yard.

Background reading: 13 uR/hr

Highest NORM reading: 15.5 uR/hr (corrected for background)

Lowest NORM reading: 13 uR/hr (corrected for background)

Any samples taken? If so, how many? None.

6 Pieces inspected.

All Pieces found to be free of NORM contamination.

None Pieces found to have NORM contamination.

Remarks: Check All Barrels on ground Level
+ 1/4" Above Barrels.

Inspector: Gale Elam - Pete

What is final disposition? OK To Transfer.

Released to: _____ Date: 6-21-99

West side. Vessel Ground Level
14.5 3ft.

North
14.5 - 1ft.

1/4" From Top of Barrel - ① 13
④ 14.5
⑤ 14
⑥ 1.5

East side:
15.5 - 3ft.

South. 13.5 - 3ft.

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Tobbs, 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
Revised 8/8/95
JUN 1 1999
Submit Original
Plus 1 Copy
to appropriate
District Office
Environmental Bureau
Oil Conservation Division
Env. JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>HALLIBURTON ENERGY SERVICES</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>MAIN YARD</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>TBA</u>
3. Address of Facility Operator <u>5796 US 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 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 wash bay solids

RECEIVED
JUN 18 1999
OIL CON. DIV.
DIST. 3

RECEIVED
JUN 15 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 80cy cy Known Volume (to be entered by the operator at the end of the haul) 72 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 6.14.99
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. Zait TITLE: Geologist DATE: 6/17/99
APPROVED BY: Martinez J. Kelly TITLE: Environmental Geologist DATE: 6/16/99

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
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New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
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Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
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District Office

Env. JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>HALLIBURTON ENERGY SERVICES</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>MAIN YARD</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>TBA</u>
3. Address of Facility Operator <u>5796 US 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, 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:

Continuation of waste bag solids

RECEIVED
JUN 15 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 80cy cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 6-14-99
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: 6/15/99
APPROVED BY: _____ TITLE: _____ DATE: _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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 Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP 1-13-1999

Printed Name E.O. Shannon

Title / Agency Maintenance Supervisor

Address 4109 East Main Street

Farmington, New Mexico 87401

Signature E.O. Shannon

Date 6-14-99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Halliburton Energy Services 4109 East Main Street Farmington, New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton Energy Services 4109 East Main Street Farmington, New Mexico 87401 <i>Attach list of originating sites as appropriate</i>	Location of the Waste (Street address &/or ULSTR): Solids Stabilization Pad East side of main yard facility 4109 East Main Street Farmington, New Mexico 87401
4. Source and Description of Waste Continuation of wash bay solids; mud and related material generated at truck wash bay.	

I, E.O. Shannon representative for:
(Print Name)

do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

- ☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☐ Other (description):

Name (Original Signature): E.O. Shannon

Title: Maintenance Supervisor

Date: 6-14-99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 28, 1999

Mr. Ed Shannon
Halliburton Energy Services, Inc.
4109 East Main Street
Farmington, New Mexico 87401

Project No.: 92132

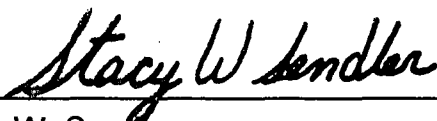
Dear Mr. Shannon,

Enclosed are the analytical results for the sample collected from the location designated as "East Main, Farmington-Wash Bay Solids". One soil sample was collected by Envirotech personnel on 01/13/99, and delivered to the Envirotech laboratory on 01/13/99 for Hazardous Waste Characterization analysis (Volatiles, Semi-Volatiles, Trace Metals, Corrosivity, Ignitability, and Reactivity).

The sample was documented on Envirotech Chain of Custody No. 6498 and assigned Laboratory No. E499 for tracking purposes. The sample was extracted on 01/18/99 and analyzed 01/18/99 through 01/27/99 using USEPA or equivalent methods.

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
Environmental Scientist/Laboratory Manager

enc.

SWS/sws

92132/tclp0199.lb1

ENV ROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-15-99
Lab ID#:	E499	Date Sampled:	01-13-99
Sample Matrix:	Soil	Date Received:	01-13-99
Preservative:	Cool	Date Analyzed:	01-15-99
Condition:	Cool and Intact	Chain of Custody:	6498

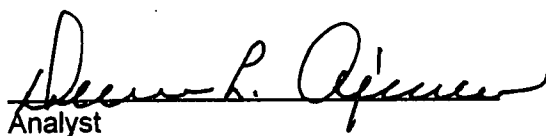
Parameter	Result
IGNITABILITY:	Negative
CORROSIVITY:	Negative pH = 7.98
REACTIVITY:	Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: East Main, Farmington.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-19-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-19-99
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

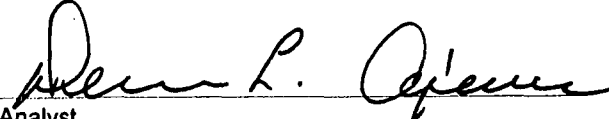
ND - Parameter not detected at the stated detection limit.


QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	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: East Main, Farmington.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.123	0.020	200
p,m-Cresol	0.054	0.040	200
2,4,6-Trichlorophenol	0.060	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	0.556	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%

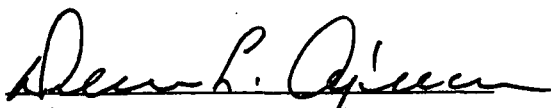
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: East Main, Farmington.


Analyst


Review

ENVIRO TECH 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:	01-22-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	0.054	0.020	5.0
Hexachloroethane	0.353	0.020	3.0
Nitrobenzene	0.202	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

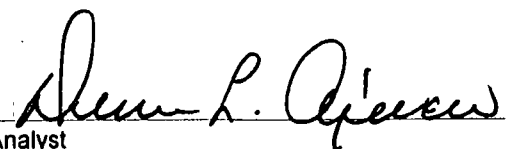
ND - Parameter not detected at the stated detection limit.


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: East Main, Farmington.


Analyst


Review

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

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-23-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Analyzed:	01-23-99
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	1.53	0.001	21
Cadmium	0.0329	0.0001	0.11
Chromium	0.0301	0.0001	0.60
Lead	0.0309	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

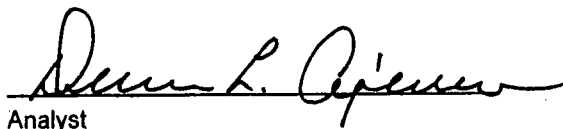
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: East Main, Farmington.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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:	Laboratory Blank	Date Reported:	01-19-99
Laboratory Number:	01-19-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
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

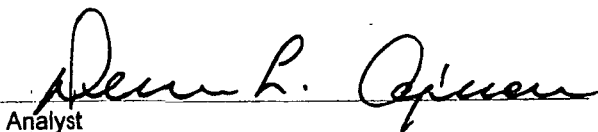
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	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 E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-19-99
Laboratory Number:	01-18-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
Condition:	N/A	Date Extracted:	01-18-99
		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

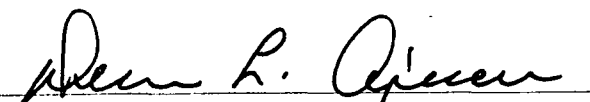
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	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 samples E499 and E503.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

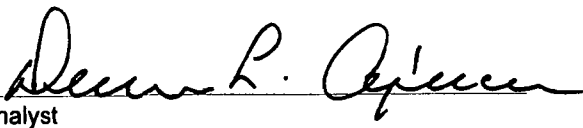
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

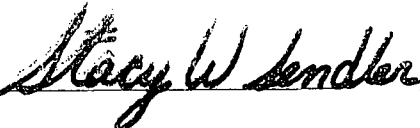
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
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 samples E499 and E503.


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
Sample ID: Matrix Spike
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

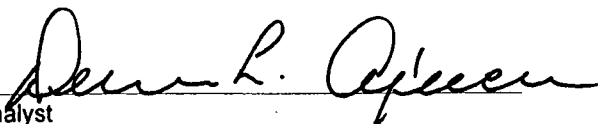
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

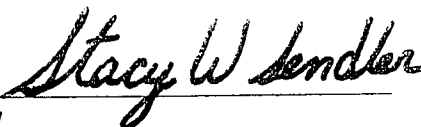
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-21-99
Laboratory Number:	01-21-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-21-99
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	98 %
	2,4,6-tribromophenol	99 %

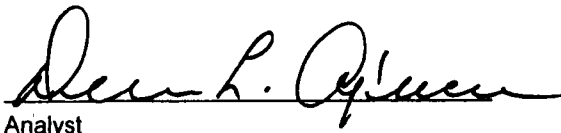
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-21-99
Laboratory Number:	01-18-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		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%

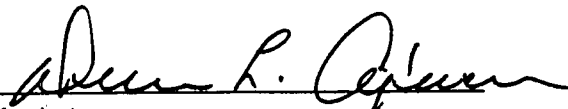
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.123	0.122	0.020	1.0%
p,m-Cresol	0.054	0.053	0.040	2.0%
2,4,6-Trichlorophenol	0.060	0.059	0.020	1.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	0.556	0.551	0.020	0.8%

ND - Parameter not detected at the stated detection limit.

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

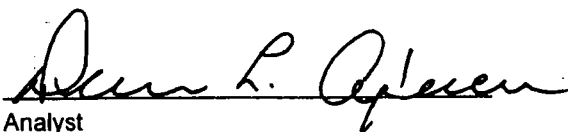
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

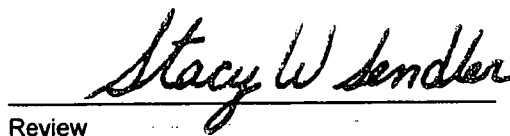
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 E499 and E503.


Analyst


Review

ENV RO TECH 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:	01-22-99
Laboratory Number:	01-21-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:	01-21-99
		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

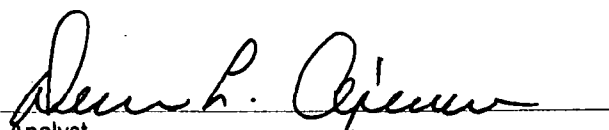
ND - Parameter not detected at the stated detection limit.

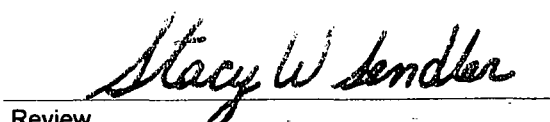
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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: QA/QC for samples E499 and E503.


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: 01-18-TBN-MB
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 01-22-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-18-99
Date Analyzed: 01-21-99
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

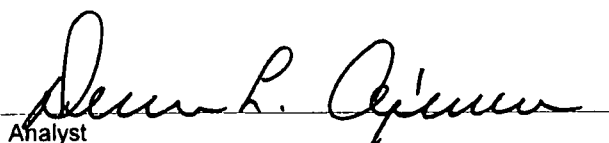
ND - Parameter not detected at the stated detection limit.

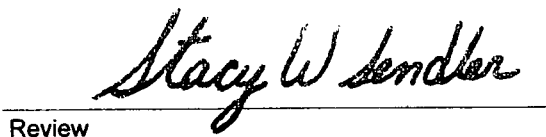
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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 E499 and E503.


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:	01-22-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	01-18-99
Condition:	N/A	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	0.054	0.053	1.0%	0.020
Hexachloroethane	0.353	0.349	1.0%	0.020
Nitrobenzene	0.202	0.200	0.9%	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

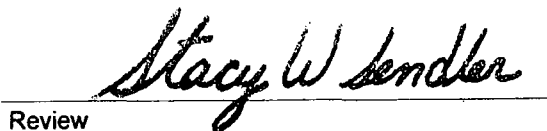
30%

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 E499 and E503.


 Analyst


 Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	01-23-TCM QA/QC	Date Reported:	01-23-99
Laboratory Number:	E449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	01-23-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	1.53	1.53	0.0%	0% - 30%
Cadmium	ND	ND	0.0001	0.0329	0.0324	1.5%	0% - 30%
Chromium	ND	ND	0.0001	0.0301	0.0300	0.3%	0% - 30%
Lead	ND	ND	0.0001	0.0309	0.0307	0.6%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Blank Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic		0.1000	ND	0.0997	99.7%		80% - 120%
Barium		1.000	1.53	2.53	100.0%		80% - 120%
Cadmium		0.0500	0.0329	0.0826	99.6%		80% - 120%
Chromium		0.0500	0.0301	0.0802	100.1%		80% - 120%
Lead		0.1000	0.0309	0.131	99.8%		80% - 120%
Mercury		0.0250	ND	0.0248	99.2%		80% - 120%
Selenium		0.1000	ND	0.0998	99.8%		80% - 120%
Silver		0.0500	ND	0.0499	99.8%		80% - 120%

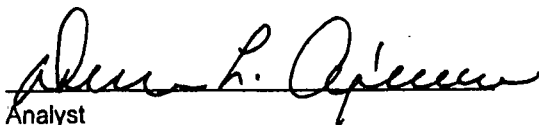
ND - Parameter not detected at the stated detection limit.


References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E499 and E503.


Analyst


Review

6498

[illegible]

District I - (505) 393-6161
P.O. Box 1250
Hobbs, NM 8241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
El Paso, 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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JUN 1 1999

Environmental Bureau
Oil Conservation Division
Job # 705711

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: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>EL Paso Field Service</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Chaco Plant</u> <u>Temp Pond West</u>
2. Management Facility Destination <u>ENVIRONMENTAL INC.</u> <u>Soil Remediation Facility</u> <u>Landfarm #2</u>	6. Transporter <u>TBA</u>
3. Address of Facility Operator <u>5796 US HWY 64</u> <u>Farmington, NM 87401</u>	8. State <u>NEW MEXICO</u>
7. Location of Material (Street Address or ULSTR)	<u>SW 4, Sec 16, T26N, R12W, S1E, 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:

Soils generated during cleanup of West Temporary Holding Pond.

TCLP ATTACHED.

RECEIVED
JUN 15 1999

RECEIVED
JUN - 9 1999

OIL CON. DIV.

OIL CON. DIV.
DIST. 3

Verbally approved by Martyne Kieling 6/9/99 ✓

Estimated Volume 100 cy Known Volume (to be entered by the operator at the end of the haul) 110 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 6-8-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: HARLAN M. BROWN TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Derry G. Zwart TITLE: Geologist DATE: 6/9/99

APPROVED BY: Martyn Kieling TITLE: Environmental Geologist DATE: 6-11-99

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

Job # 705711

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>EL Paso Field Service</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Chaco Plant Temp Pond West</u>
2. Management Facility Destination <u>Enviro Tech Inc. Soil Remediation Facility Land Farm #2</u>	6. Transporter <u>TBA</u>
3. Address of Facility Operator <u>5796 US Hwy 64 Farmington NM 87401</u>	8. State <u>NEW MEXICO</u>
7. Location of Material (Street Address or ULSTR)	<u>SW 4, Sec 16, T26N, R12W, S1E 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:

Soils generated during cleanup of West Temporary Holding Pond.
TCLP ATTACHED.

RECEIVED
JUN - 9 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 100 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: 6.8.99
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. Funt TITLE: Geologist DATE: 6/9/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Rcilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Chaco Plant	Location of Waste(Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soils from the temporary lined pond area, handling contact water. <i>NSF</i> <i>stained areas under liner</i>	

I, David Bays representative for:
 (Print Name)

El Paso Field Services Co. do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988 regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT Oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by
 characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☒ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: June 7, 1999

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	El Paso Field Service	Project #:	97057-
Sample ID:	990186	Date Reported:	04-23-99
Lab ID#:	F077	Date Sampled:	04-21-99
Sample Matrix:	Soil/Sludge	Date Received:	04-22-99
Preservative:	Cool	Date Analyzed:	04-23-99
Condition:	Cool and Intact	Chain of Custody:	6080

Parameter	Result
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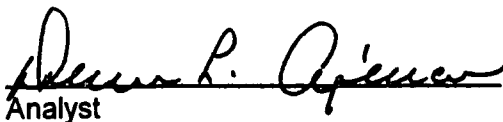
IGNITABILITY:	Negative	
CORROSIVITY:	Negative	pH = 6.84
REACTIVITY:	Negative	

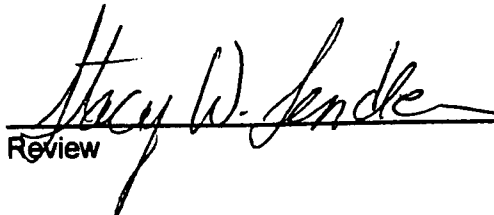
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Chaco Plant. Temporary Lined Pond West.


Analyst


Review

Client:	El Paso Field Services	Project #:	705711
Sample ID:	990186	Date Reported:	04-27-99
Laboratory Number:	F077	Date Sampled:	04-21-99
Chain of Custody:	6080	Date Received:	04-22-99
Sample Matrix:	Soil / Sludge	Date Extracted:	04-23-99
Preservative:	Cool	Date Analyzed:	04-27-99
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	0.0010	0.0001	0.7
2-Butanone (MEK)	0.0303	0.0001	200
Chloroform	0.0004	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0109	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	0.0171	0.0005	0.7
Chlorobenzene	0.0217	0.0003	100
1,4-Dichlorobenzene	0.0353	0.0002	7.5

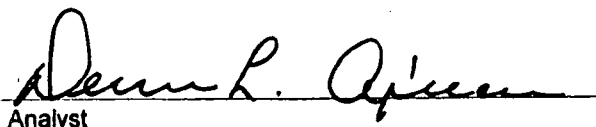
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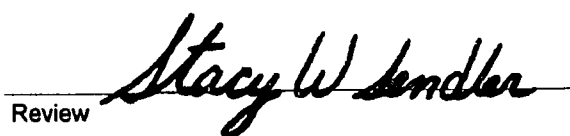
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: Chaco Plant. Temporary Lined Pond West.


Analyst


Review

Client:	El Paso Field Services	Project #:	705711
Sample ID:	990186	Date Reported:	04-27-99
Laboratory Number:	F077	Date Sampled:	04-21-99
Chain of Custody:	6080	Date Received:	04-22-99
Sample Matrix:	Soil / Sludge TCLP Extract	Date Extracted:	04-23-99
Preservative:	Cool	Date Analyzed:	04-27-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.080	0.020	200
p,m-Cresol	0.180	0.040	200
2,4,6-Trichlorophenol	0.135	0.020	2.0
2,4,5-Trichlorophenol	0.103	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%

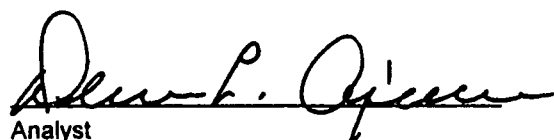
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

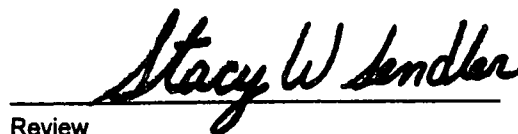
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: Chaco Plant. Temporary Lined Pond West.


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 Services	Project #:	705711
Sample ID:	990186	Date Reported:	04-27-99
Laboratory Number:	F077	Date Sampled:	04-21-99
Chain of Custody:	6080	Date Received:	04-22-99
Sample Matrix:	Soil / Sludge TCLP Extract	Date Extracted:	04-23-99
Preservative:	Cool	Date Analyzed:	04-27-99
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	0.093	0.020	3.0
Nitrobenzene	0.235	0.020	2.0
Hexachlorobutadiene	0.118	0.020	0.5
2,4-Dinitrotoluene	0.090	0.020	0.13
HexachloroBenzene	0.081	0.020	0.13

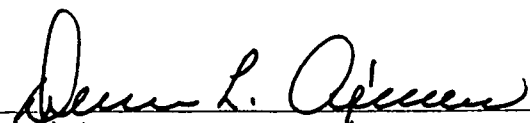
ND - Parameter not detected at the stated detection limit.


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: Chaco Plant. Temporary Lined Pond West.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	El Paso Field Services	Project #:	705711
Sample ID:	990186	Date Reported:	04-28-99
Laboratory Number:	F077	Date Sampled:	04-21-99
Chain of Custody:	6080	Date Received:	04-22-99
Sample Matrix:	TCLP Extract Soil/Sludge	Date Analyzed:	04-28-99
Preservative:	Cool	Date Extracted:	04-23-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	0.394	0.001	21
Cadmium	0.0224	0.0001	0.11
Chromium	0.0657	0.0001	0.60
Lead	0.0284	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

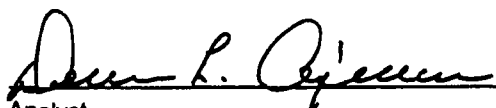
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Chaco Plant. Temporary Lined Pond West.


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:	04-27-99
Laboratory Number:	04-27-TCV	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-27-99
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

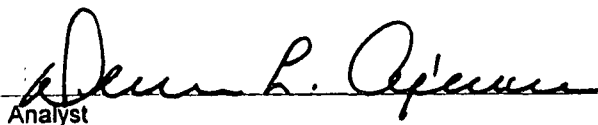
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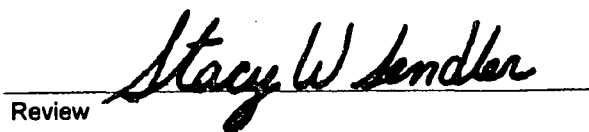
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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: QA/QC for sample F077.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-27-99
Laboratory Number:	04-23-TVOL	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-27-99
Condition:	N/A	Date Extracted:	04-23-99
		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

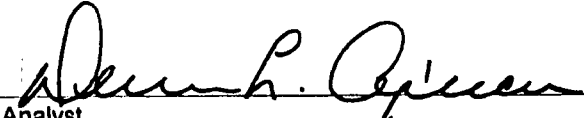
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	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 F077.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: F077
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

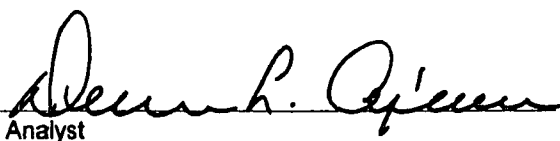
Project #: N/A
Date Reported: 04-27-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 04-27-99
Date Extracted: N/A

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	0.0010	0.0010	0.0001	0.0%
2-Butanone (MEK)	0.0303	0.0303	0.0001	0.0%
Chloroform	0.0004	0.0004	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0109	0.0109	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	0.0171	0.0171	0.0005	0.0%
Chlorobenzene	0.0217	0.0217	0.0003	0.0%
1,4-Dichlorobenzene	0.0353	0.0353	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 F077.


Analyst


Review

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

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: F077
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

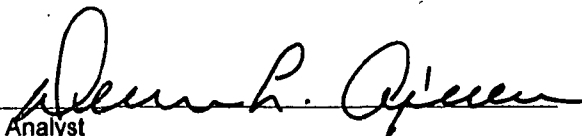
Project #: N/A
Date Reported: 04-27-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 04-27-99
Date Extracted: N/A

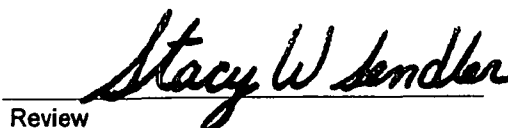
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	0.0010	0.050	0.0504	0.0001	99%	43-143
2-Butanone (MEK)	0.0303	0.050	0.0798	0.0001	99%	47-132
Chloroform	0.0004	0.050	0.0501	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0109	0.050	0.0607	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	0.0171	0.050	0.0665	0.0005	99%	26-162
Chlorobenzene	0.0217	0.050	0.0711	0.0003	99%	38-150
1,4-Dichlorobenzene	0.0353	0.050	0.0847	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 sample F077.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank**

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	04-27-99
Laboratory Number:	04-27-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-27-99
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	99 %

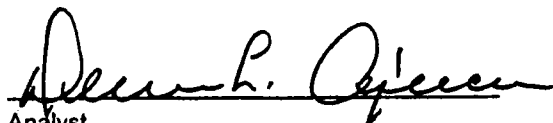
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

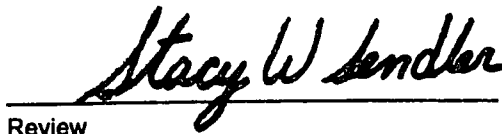
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample F077.


Analyst


Review

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	04-27-99
Laboratory Number:	04-23-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	04-27-99
		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%

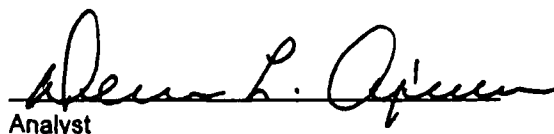
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

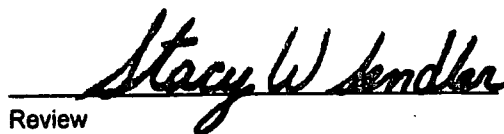
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample F077.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	04-27-99
Laboratory Number:	F077	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	04-23-99
Condition:	Cool & Intact	Date Analyzed:	04-27-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.080	0.079	0.020	1.0%
p,m-Cresol	0.180	0.177	0.040	2.0%
2,4,6-Trichlorophenol	0.135	0.134	0.020	1.0%
2,4,5-Trichlorophenol	0.103	0.102	0.020	1.1%
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%

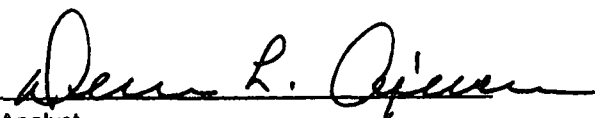
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.


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 F077.


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: 04-27-TBN
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 04-27-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 04-27-99
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

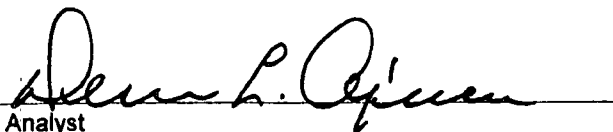
ND - Parameter not detected at the stated detection limit.

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 sample F077.


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: 04-23-TBN-MB
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 04-27-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 04-23-99
Date Analyzed: 04-27-99
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

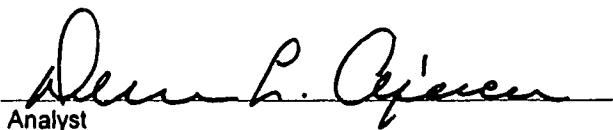
ND - Parameter not detected at the stated detection limit.

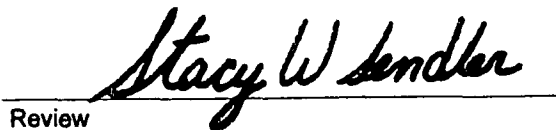
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

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 sample F077.


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: F077
Sample Matrix: TCLP Extract
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 04-27-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 04-23-99
Date Analyzed: 04-27-99
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	0.093	0.092	1.0%	0.020
Nitrobenzene	0.235	0.233	0.9%	0.020
Hexachlorobutadiene	0.118	0.117	1.1%	0.020
2,4-Dinitrotoluene	0.090	0.088	3.0%	0.020
HexachloroBenzene	0.081	0.080	1.8%	0.020

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Maximum Difference
---------------------------	-----------	--------------------

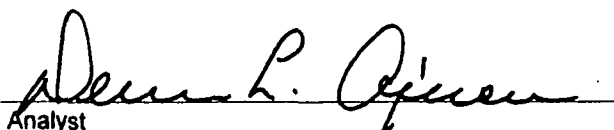
8090 Compounds


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 F077.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	04-28-TCM QA/QC	Date Reported:	04-28-99
Laboratory Number:	F077	Date Sampled:	N/A
Sample Matrix:	TCTP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	04-28-99
Condition:	N/A	Date Extracted:	N/A

Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	0.394	0.394	0.1%	0% - 30%
Cadmium	ND	ND	0.0001	0.0224	0.0226	0.9%	0% - 30%
Chromium	ND	ND	0.0001	0.0657	0.0660	0.5%	0% - 30%
Lead	ND	ND	0.0001	0.0284	0.0283	0.4%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Arsenic	0.1000	ND	0.0997	99.7%	80% - 120%
Barium	1.000	0.394	1.39	100.0%	80% - 120%
Cadmium	0.0500	0.0224	0.0722	99.7%	80% - 120%
Chromium	0.0500	0.0657	0.116	99.8%	80% - 120%
Lead	0.1000	0.0284	0.128	99.8%	80% - 120%
Mercury	0.0250	ND	0.0248	99.2%	80% - 120%
Selenium	0.1000	ND	0.0996	99.6%	80% - 120%
Silver	0.0500	ND	0.0498	99.6%	80% - 120%

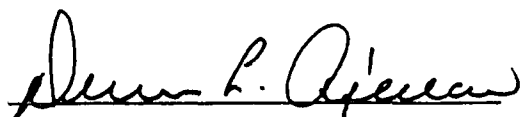
ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for sample F077.


Analyst


Review

6080

[illegible]

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
Bill 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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>	4. Generator <u>NMOC</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>Central Tank Battery pit. Wastway Prod. Pit.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>A. Plus Waste Service</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>"B" Sec 16, T19N, R6W, S</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 hydrocarbon contaminated soil generated during clean up of a crude oil production pit.

RECEIVED
MAY 21 1999

OIL CON. DIV.
DIST. 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 5-21-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Charlie T. Bern TITLE: Field Rep II DATE: 5/21/99

APPROVED BY: SS TITLE: Dist. Sec DATE: 5/21/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: New Mexico Oil Conservation Division 1000 Rio Brazos Rd Aztec, NM 87413	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Woosley Production Pit - Central Tank Battery <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): B-16-19N-06W
4. Source and Description of Waste Produced hydrocarbon contaminated soil from production pit at Central Tank Battery	

I, Denny Foust representative for: NMOCDD
(Print Name) do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Denny Foust
Title: Environmental Geologist
Date: 5/21/99

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

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Originated 8/8/95

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District Office

Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <i>Donny Foust</i>	4. Generator <i>EPFS</i>
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <i>Drip 5 A2</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>EPFS</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>Sec. 30, T30N, R13W.</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:

Petroleum hydrocarbon contaminated soil generated during clean up of carbonate spill.

RECEIVED
MAY 21 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) 3 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 5-21-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Donny Foust* TITLE: Geologist DATE: 5/21/99
APPROVED BY: *Charlie Kern* TITLE: Field Rep II DATE: 5/21/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Drip 5 A2	Location of Waste(Street address &/or ULSTR): Section 30, T30N, R13W
Attach list of originating sites as appropriate	
4. Source and Description of Waste - Soil contaminated with hydrocarbon liquids and sludge	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: May 19, 1999

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Hobbs, NM 88241-1980
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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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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Danny Foust, 5-19-99 7:45 A.M.	4. Generator <u>NATCO</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>		5. Originating Site <u>Various Locations</u>
3. Address of Facility Operator <u>5796 US 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. <u>Circle One:</u>		<u>2855 Southside River Rd.</u> <u>Farmington, New Mexico</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 from cleaning oil & gas production equipment,
Dehydrators, separators etc.
Norms analysis attached.

RECEIVED
MAY 21 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 10 drums cy Known Volume (to be entered by the operator at the end of the haul) 9 1/2 bbls cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 5-19-99
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. Foust TITLE: Geologist DATE: 5/21/99
APPROVED BY: Charles T. Lee TITLE: Field Rep II DATE: 5/21/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: NATCO	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Location of the Waste (Street address &/or ULSTR): See Attach List VARIOUS locations <small>Attach list of originating sites as appropriate</small>	
4. Source and Description of Waste Solids, Sludge, From Production units	

I, Richard Lambert representative for: NATCO
(Print Name)
 do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

- | | |
|--|---|
| <input type="checkbox"/> MSDS Information | <input type="checkbox"/> Other (description): |
| <input type="checkbox"/> RCRA Hazardous Waste Analysis | |
| <input type="checkbox"/> Chain of Custody | |

Name (Original Signature): Richard Lambert
 Title: Shop Foreman
 Date: 5/18/99

SAFETY ALLIANCE, INC.

"Partnerships for Safe Working Environments"

INSPECTION FOR N.O.R.M. CONTAMINATION

Location: NATCO YARD Date: 05-18-99
Survey instrument model: BICRON PGM Last calibrated: 12-98 / Factory
Item description: NORM on 55 gallon bbls.

Number of pieces: 15

Location where items originated: NATCO YARD - cleaning equipment in yard

Background reading: .20 uR/hr

Highest NORM reading: .06 uR/hr (corrected for background)

Lowest NORM reading: .02 uR/hr (corrected for background)

Any samples taken? If so, how many? NONE TAKEN

15 Pieces inspected.

13 Pieces found to be free of NORM contamination.

2 Pieces found to have NORM contamination. Less than .04

Remarks: good clean location, stored on pallets
each container isolated

Inspector: Cmy Delgado

What is final disposition? Containers are able to be disposed of.

Released to: NATCO Corp. Date: 05-18-99

NORM DATA

Per Subpart 14 of 20 NMAC 3.1 [8-2-95]
Naturally Occurring Radioactive Materials (NORM)
in the Oil and Gas Industry

1402. DEFINITIONS

- E. "Department" means the New Mexico Environmental Department or its designated representative(s)
- F. "Division" means the New Mexico Conservation Division or its designated representative(s)
- J. "Naturally occurring radioactive material (NORM)" means any nuclide which is radioactive in its natural physical state (i.e. not manmade) but does not include byproduct, source or special nuclear material

1403. EXEMPTIONS

- A. For release for unrestricted use, persons who receive, possess, use, process, transfer, distribute, transport, store or dispose of NORM are exempt from the requirements of these regulations if: the NORM present is at concentrations of 30 picocuries per gram or less of radium 226, above background, or 150 picocuries per gram or less of any other NORM radionuclide, above background, in soil, in 15 cm layers, averaged over 100 square meters. Samples should be taken if gamma radiation readings ($\mu\text{R/hr}$) are equal to or exceed twice background readings when surveyed at a distance of 1 cm from the surface of the soil, in accordance with Department guidelines.
- C. NORM not otherwise exempted and equipment from oil, gas and water production containing NORM are exempt from the requirements of this Subpart if the maximum radiation exposure reading at any accessible point does not exceed 50 microrentgens per hour ($\mu\text{R/hr}$), including background radiation levels. Sludges and scales contained in oil, gas and water production equipment are exempt from the requirements of this Subpart if the maximum radiation exposure reading within 1 cm of the surface of the sludge or scale does not exceed 50 microrentgens per hour (50 $\mu\text{R/hr}$), including background radiation levels. If the radiation readings exceed 50 $\mu\text{R/hr}$, removable sludges and scales are exempt from the requirements of these regulations if the concentration of Radium 226, in a representative sample, does not exceed 30 picocuries per gram.

1404. RADIATION SURVEY INSTRUMENTS

- C. Each radiation instrument shall be calibrated:
 - 1. by a qualified person or the manufacturer . . . certified by the Department
 - 2. at intervals not to exceed 12 months and after instrument servicing.
 - 3. to demonstrate an accuracy within plus or minus 20 percent . . .

General Information (not part of the regulation):

- 1. Hold survey instrument $\frac{1}{4}$ inch from surface for alpha ray detection, and $\frac{1}{2}$ inch for gamma ray detection.
- 2. Move instrument at no more than 2 inches per second.

1408. RADIATION SURVEY REQUIREMENTS

- C. Surveys required by this subpart shall be performed pursuant to guidelines issued by the Department and by persons who possess the knowledge and/or training to perform such surveys pursuant to Department and Division Guidelines.

351 = 165
end of
3 | 99

total 663 lbs

At 19.5 per gallon

Page 1

Page 1

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
814 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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Deery Farm 5-3-99 10115	4. Generator <u>PESCO</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>		5. Originating Site <u>Main Land</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>		6. Transporter <u>Framingham</u>
7. Location of Material (Street Address or ULSTR)		8. State <u>New Mexico</u>
		<u>5680 Hwy 64 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:

Solids generated from cleaning & roto for inactive production storage
tanks, separators, dehydrators, and other production equipment.

NO RUS ANALYSIS ATTACHED

RECEIVED
MAY - 3 1999

OIL CON. DIV.
DIST. 3

Estimated Volume 60 bbl Sludge cy Known Volume (to be entered by the operator at the end of the haul) 50 bbls cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 5-3-99
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. Kent TITLE: Geologist DATE: 5/3/99

APPROVED BY: [Signature] TITLE: [Signature] DATE: [Signature]

verbal
Donnerstag
5.3.99
10:15

Jn: 92142

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: PESCO 5680 Highway 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Process Equipment & Service Company 5680 US Highway 64 Farmington, New Mexico 87401	Location of the Waste (Street address &/or ULSTR): Mainyard, stored in 55 gallon drums & 18 Cubic Foot Steel Boxes.
Attach list of originating sites as appropriate	
4. Source and Description of Waste Solids generated from cleaning and refurbishing production storage tanks, separators, dehydrators, and other production equipment.	

I, Gary Howe (Print Name) representative for:
Process Equipment and Service Company, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Gary W Howe
Title: Safety Director
Date: 4-30-99



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) 327-7550

NORM SURVEY DATA SHEET

Facility/Location: PESCO Date: 4-30-99

Meter Model: Dosimeter Serial No.: 9808-238

Detector Type: [A] Model 3012 Serial No.: 201-887-7100

[] Model _____ Serial No.: _____

Battery Check [+] Source Check []

Calibration Date: 4-5-99

Source Type: _____

Background Radiation Level: 15 ^{CPM}
~~microR/hr~~

Description of Equipment/Material Surveyed: STEAM CLEANER SAND
TRAP

Item/Material Surveyed
(Description, Serial Number, Size Quantity, etc.)

^{CPM}
Maximum ~~microR/hr~~

WASTEWATER And sludge
Approx 20 Bbl

15

Comments: _____

Survey(s) Conducted By: _____

GARY W HOWE

(Print Name)

Gary W Howe

(Signature)



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) 327-7550

NORM SURVEY DATA SHEET

Facility/Location: PESCO Date: 4-30-99

Meter Model: Dosimeter Serial No.: 9808-238

Detector Type: ☒ Model 3012 Serial No.: 201-887-7100

☐ Model _____ Serial No.: _____

Battery Check ☒ Source Check ☐

Calibration Date: 4-5-99

Source Type: _____

Background Radiation Level: 15 ^{CPM}
~~microR/hr~~

Description of Equipment/Material Surveyed: _____

Item/Material Surveyed
(Description, Serial Number, Size Quantity, etc.)

^{CPM}
Maximum ~~microR/hr~~

<u>Waste Sludge</u>	<u>15</u>
<u>Approx 40 Bbl</u>	
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Comments: _____

Survey(s) Conducted By: _____

GARY W HOWE

(Print Name)

Gary W Howe

(Signature)

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

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APR 23 1999

Environmental Bureau
Oil Conservation Division
JN: 47859-28

Submit Original
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	OIL CON. DIV. DIST. 3	4. Generator E.P.F.S.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		5. Originating Site Kutz Separators
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		6. Transporter Freeman
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401		8. State New Mexico
7. Location of Material (Street Address or ULSTR)		Sec 11, T29N, R11W, S3C, 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:

Coal fines & hydrocarbon sludge from non-exempt field liquids (North pond).
TCCA labels attached.

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OIL CON. DIV.
DIST. 3

Estimated Volume 30 bbl 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: 4-19-99
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: 4/21/99
APPROVED BY: Martine G. Faut TITLE: Env Geologist DATE: 4/23/99

District I - (505) 393-6161
P.O. Box 1980
Tobbs, NM 88241-1980
District II - (505) 748-1283
111 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Socorro, 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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District Office

Env. JN: 97057-08

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>E.P.F.S.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Kutz Separator</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Freemeyer</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 11, T29N, R11W, S3C. 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:

Coal fines & hydrocarbon sludge from non-exempt field liquids
(North pond).
TCEP metals attached.

RECEIVED
APR 19 1999
OIL CON. DIV.
DWL 3

Estimated Volume 30 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: 4.19.99
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. Fount TITLE: Geologist DATE: 4/21/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Kutz Hydrocarbon Recovery Facility	Location of Waste(Street address &/or ULSTR): Sec. 11, T29N, R11W, San Juan County, NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Coal fines and hydrocarbon sludge from non-exempt field liquids	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT Oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☒ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name : (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: April 14, 1999

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

February 16, 1999

Mr. John Lambdin
El Paso Field Services
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 97057
Job No.: 705708

Dear Mr. Lambdin,

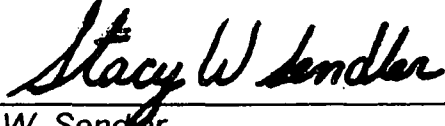
Enclosed are the analytical results for the sample collected from the location designated as "Kutz Separator - EPFS #990028". One soil sample was collected by EPFS designated personnel on 02/04/99, and received by the Envirotech laboratory on 02/05/99 for TCLP Metals analysis.

The sample was documented on Envirotech Chain of Custody No. 6079 and assigned Laboratory No. E606 for tracking purposes.

The sample was analyzed on 02/08/99 using USEPA or equivalent methods.

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. Sender
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

97057lb4.wpd

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

Client:	El Paso Field Services	Project #:	97057-08
Sample ID:	990028	Date Reported:	02-08-99
Laboratory Number:	E606	Date Sampled:	02-04-99
Chain of Custody:	6079	Date Received:	02-05-99
Sample Matrix:	Liquid	Date Analyzed:	02-08-99
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	0.022	0.001	21
Cadmium	ND	0.0001	0.11
Chromium	ND	0.0001	0.60
Lead	0.0030	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

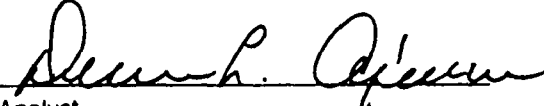
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

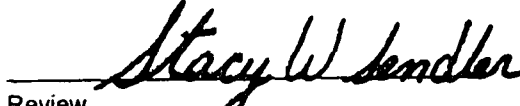
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Kutz Separator.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	02-08-TCM QA/QC	Date Reported:	02-08-99
Laboratory Number:	E603	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	02-08-99
Condition:	N/A	Date Extracted:	N/A

Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	0.782	0.783	0.1%	0% - 30%
Cadmium	ND	ND	0.0001	0.0009	0.0009	0.0%	0% - 30%
Chromium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.0001	0.0071	0.0070	1.4%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Arsenic	0.1000	ND	0.0997	99.7%	80% - 120%
Barium	1.000	0.782	1.78	99.8%	80% - 120%
Cadmium	0.0500	0.0009	0.0508	99.8%	80% - 120%
Chromium	0.0500	ND	0.0498	99.6%	80% - 120%
Lead	0.1000	0.0071	0.107	99.8%	80% - 120%
Mercury	0.0250	ND	0.0249	99.6%	80% - 120%
Selenium	0.1000	ND	0.0998	99.8%	80% - 120%
Silver	0.0500	ND	0.0498	99.6%	80% - 120%

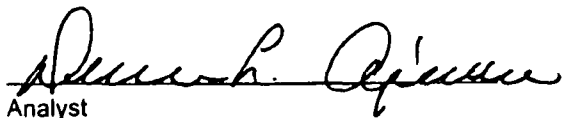
ND - Parameter not detected at the stated detection limit.

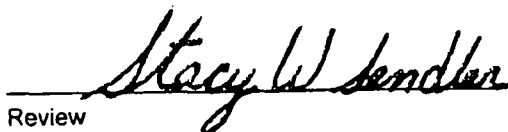
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E603 and E606.


Analyst


Review

CHAIN OF CUSTODY RECORD

6079

Client / Project Name <i>EL PASO FIELD</i> <i>JOHN LAMB DIN</i>			Project Location <i>KUTZ SEPARATOR</i>		ANALYSIS / PARAMETERS									
Sampler: <i>Jennie Bird</i>			Client No.		No. of Containers <i>1</i>	<i>TCUP</i>	<i>METALS</i>						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
<i>990028</i>	<i>2-4-99</i>	<i>0915</i>	<i>ELOG</i>	<i>LIQUID</i>	<i>1</i>	<i>X</i>								
Relinquished by: (Signature) <i>Jennie Bird</i>			Date <i>2-5-99</i>	Time <i>1012</i>	Received by: (Signature) <i>Don L. Ogden</i>							Date <i>2-5-99</i>	Time <i>10:12</i>	
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt			
												Y	N	N/A
											Received Intact	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
											Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

O. Box 1980
obbs, NM 88241-1980
District II - (505) 748-1283
11 S. First
Resia, 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
2840 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

OIL CON. DIV.
DIST. 3

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Originated 8/8/95

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Env. Environmental Bureau
Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator WFS.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Horse Canyon Reboiler
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter WFS.
3. Address of Facility Operator 5796 US 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:

glycol Reclaimer sludge.

TCLP & MSDS SHEETS ATTACHED Previously.
Norms Survey ATTACHED

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APR 19 1999
OIL CON. DIV.
DIST. 3

Never Hauled DA 4/13/01

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 4.7.99
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 D. Faint TITLE: Geologist DATE: 4/21/99
APPROVED BY: Martyn J. Muehly TITLE: Env Geologist DATE: 4/23/99

District I - (505) 393-6161
P.O. Box 1980
Tobbs, NM 88241-1980
District II - (505) 748-1283
111 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Carmichael, 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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to appropriate
District Office

Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>WFS.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Horse Canyon Reboiler</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>WFS.</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	
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:

glycol Reclaimer sludge.

TCLP & MSDS SHEETS ATTACHED → Previously
Norms Survey ATTACHED

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APR 19 1999

OIL CON. DIV.
DIST. 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 4.7.99
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. Funt TITLE: Geologist DATE: 4/21/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Williams Field Services Inc 395 CHIPETTA Way SALT LAKE CITY, UTAH	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Horse Canyon CDP	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste Glycol Reclaiming Sludge	

I, BILL BEEVERS representative for:
(Print Name)
Williams Field Services do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☒ MSDS Information
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☒ Other (description):
NORMS

Name (Original Signature): Bill Beavers

Title: Depty Specialist

Date: 4-7-99



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) 327-7550

NORM SURVEY DATA SHEET

Facility/Location: Williams Horse Canyon Compressor Date: 4-7-99

Meter Model: 3007A Serial No.: 9808-238

Detector Type: [] Model 3012 Serial No.: 201-887-7100

[] Model Serial No.: _____

Battery Check [✓] Source Check [✓]

Calibration Date: 4-5-99

Source Type: _____

Background Radiation Level: 11 ^{CPM}
~~microR/hr~~

Description of Equipment/Material Surveyed: VARIOUS Oilfield
EQUIPMENT AND MATERIAL

Item/Material Surveyed (Description, Serial Number, Size Quantity, etc.)	CPM Maximum microR/hr
<u>Waste sludge for Separators</u>	<u>13</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Comments: _____

Survey(s) Conducted By: GARY W HOWE
(Print Name)
Gary W Howe
(Signature)

TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL CONCENTRATION

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G08149
Sample Matrix: Solid

Date Reported: 11/02/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Result	Detection Limit	Reporting Limit	Units
Arsenic.....	<0.061	0.061	5	mg/L
Barium.....	0.80	0.001	100	mg/L
Cadmium.....	<0.008	0.008	1	mg/L
Chromium.....	0.027	0.008	5	mg/L
Lead.....	<0.04	0.04	5	mg/L
Mercury.....	<0.0004	0.0004	0.2	mg/L
Selenium.....	<0.05	0.05	1	mg/L
Silver.....	<0.03	0.03	5	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure,
SW-846 "Test Methods for Evaluating Solid Waste:
Physical/Chemical Methods" 3rd Edition, Final Update III, December, 1996.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total
Metals, SW-846 "Test Methods for Evaluating Solid Waste: Physical/
Chemical Methods" 3rd Edition, Final Update III, December, 1996.

Comments:

Reported By: 

Reviewed: 

VOLATILE ORGANIC TOXICITY CHARACTERISTIC LIST
TCLP Leachate
Method 8260

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06149
Sample Matrix: Solid

Date Reported: 11/03/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Concentration	Reporting Limit	Acceptance Limit	Units
Benzene	ND	0.10	0.5	mg/L
Carbon Tetrachloride	ND	0.10	0.5	mg/L
Chlorobenzene	ND	0.10	100	mg/L
Chloroform	ND	0.10	6.0	mg/L
1,2-Dichloroethane	ND	0.10	7.5	mg/L
1,1-Dichloroethylene	ND	0.10	0.5	mg/L
1,4 Dichlorobenzene	ND	0.10	0.7	mg/L
Methyl Ethyl Ketone (MEK)	0.55	0.10	200	mg/L
Tetrachloroethylene	ND	0.10	0.7	mg/L
Trichloroethylene	ND	0.10	0.5	mg/L
Vinyl chloride	ND	0.10	0.2	mg/L

ND- Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

SEMI-VOLATILE ORGANICS /TCLP

TCLP Leachate

Method 8270

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06149
Sample Matrix: Solid

Date Reported: 11/03/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Result	Detection Limit	Reporting Limit	Unit
Cresol (Total)	ND	1.0	200	mg/L
2,4-Dinitrotoluene	ND	0.10	0.13	mg/L
Hexachlorobenzene	ND	0.10	0.13	mg/L
Hexachlorobutadiene	ND	0.20	0.5	mg/L
Hexachloroethane	ND	0.10	3.0	mg/L
Nitrobenzene	ND	0.50	2.0	mg/L
Pentachlorophenol	ND	0.20	100	mg/L
Pyridine	ND	0.50	5.0	mg/L
2,4,5-Trichlorophenol	ND	0.50	400	mg/L
2,4,6-Trichlorophenol	ND	0.50	2.0	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

TCLP HERBICIDES

TCLP Leachate

Method 8150A

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06148
Sample Matrix: Solid

Date Reported: 11/03/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Herbicide	Result	Exposure Limit	Exposure Limit	Units
2,4-D	ND	0.01	10	mg/L
2,4,5-TP (Silvex)	ND	0.003	1.0	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

TCLP PESTICIDES
TCLP Leachate
Method 8080A

Client: **Williams Field Services**
Project: **Horse Canyon Reclaimer**
Sample ID: **Horse Canyon Reclaimer**
Laboratory ID: **0398G06149**
Sample Matrix: **Solid**

Date Reported: **11/03/98**
Date Sampled: **10/20/98**
Date Received: **10/20/98**
Date Analyzed: **11/02/98**

Parameter	Quantity	Report Unit	Acceptance Limit	Unit
gamma-BHC (Lindane)	ND	0.01	0.04	mg/L
Chlordane	ND	0.01	0.03	mg/L
Endrin	ND	0.01	0.02	mg/L
Heptachlor	ND	0.005	0.008	mg/L
Heptachlor Epoxide	ND	0.005	0.008	mg/L
Methoxychlor	ND	0.01	10.0	mg/L
Toxaphene	ND	0.01	0.5	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

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

Energy N

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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to appropriate
District Office

Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	3.31.99 Dunn Forest 9:30 AM	4. Generator Robert L. Bayless
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		5. Originating Site Toccoa Dome CTB
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401		6. Transporter L&L
7. Location of Material (Street Address or ULSTR)		8. State New Mexico
		Sec 20A, T26N, R18W SJC 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:

Sulfate Treat (spent)

RECEIVED
APR 19 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 10 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: 4.19.99
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: 4/21/99
APPROVED BY: E. Basel TITLE: ~ DATE: ~

RECEIVED APR 06 1999

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: ROBERT L. Bayless Drilling. 368 Hwy 170 Farmington NM 87601	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): TOLITO DOME GTB SECTION 20 A, T26N, R18W SAN JUAN COUNTY, NM <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Solfa Treat.	

I, TOM MCCARTHY representative for:
(Print Name)ROBERT L. BAYLESS do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of CustodyName (Original Signature): TOM MCCARTHYTitle: ENGINEERDate: 4/5/99

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
815 S. First
Artesia, NM 88210
District III - (505) 334-6178
7 Rio Brazos Road
Roswell, NM 87410
District IV - (505) 827-7131

Energy M

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: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Don't Report 3-31-99 11:10</i>	4. Generator <i>NMOC-D- Woodbury</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Santa Fe Energy #1</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>Kay Energy - Big A</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:

Clean up materials spilled from ventral separator.

RECEIVED
MAR 31 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 1 cy Known Volume (to be entered by the operator at the end of the haul) 2 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 3-31-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Gerry G. Fount* TITLE: Geologist DATE: 3/31/99
APPROVED BY: *Charlie T. Lenn* TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: NMOC - WOOSLEY P&A 1000 Rio Brazos Rd. Aztec, N.M. 87410	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): WOOSLEY P&A. SANTA FE #1 "P" Sec 8, T19N, R6W McKinley. <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste BS&W from Vertical Separator spilled @ "A Plus" yard cleaned up w/ Kitty Cotton. Being moved under NMOC Contract.	

I, Denny Foust (Print Name) _____ representative for:
New Mexico Oil Conservation Division do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Denny Foust
 Title: Environmental Geologist
 Date: 3/31/99

District I - (505) 393-6161
P. O. Box 4980
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

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Originated 8/8/95

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Env. JN: 9705700

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Durr Faust 3.22.99 15:55</i>	4. Generator <i>EPFS</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Turkey Compressor</i>
3. Address of Facility Operator <i>5796 US 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. <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:

cleanup of glycol upset @ Natural gas dehydrator

RECEIVED
MAR 24 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 2 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: 3.24.99
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: 3/24/99

APPROVED BY: Ernie Busch TITLE: " DATE: 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Turley Compressor Station Attach list of originating sites as appropriate	Location of Waste(Street address &/or ULSTR): Township 30 North, Range 9 West, SW/4 of the NW/4, and NW/4 of the SW/4, Section 30 San Juan County, New Mexico
4. Source and Description of Waste Soil contaminated with glycol from the natural gas dehydrator	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: 03/22/99

APPROVED BY: Denny G. Zent TITLE: Geologist DATE: 3/24/99

APPROVED BY: Martina J. Kelly TITLE: Env Geologist DATE: 3/26/99

P.C. 980
Hot NM 88241-1980
(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

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

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Originated 8/8/95

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Env. JN: 98059-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Dennis Faust 10:00 a.m. 3.22.99</i>	4. Generator <i>Universal Compression</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Seymore 723</i>
3. Address of Facility Operator <i>5796 US 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. <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.	<i>"L" See 24, T3IN, R9W 5JC</i>

BRIEF DESCRIPTION OF MATERIAL:

*Clean up of new motor oil released on a compressor
location
MSDS Attached.*

RECEIVED
MAR 24 1999

OIL CON. DIV.
DIST. 3

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

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 3.24.99
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: 3/24/99
APPROVED BY: _____ TITLE: _____ DATE: _____

Box 1980
Albuquerque, NM 88241-1980
Tel. II - (505) 748-1283
S. First
Albuquerque, NM 88210
Tel. III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
Tel. V - (505) 827-7131

NEW MEXICO
Energy, Minerals and Natural Resources Department
Oil Conservation Division
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Santa Fe, New Mexico 87505
(505) 827-7131
RECEIVED
MAR 26 1999
Environmental Bureau
Oil Conservation Division
Env. JN: 48854-84

Form C-100
Originated 8/8/95
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Donny Faust 10:00 a.m. 3-23-99</i>	4. Generator <i>Universal Compression</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Seymore 723</i>
3. Address of Facility Operator <i>5796 US 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.	

DESCRIPTION OF MATERIAL:
Clean up of new motor oil released on a compressor location
4 SDS Attached.
3-23-99 11600 LF#2 2-12 12cy
Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) 12 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 3-24-99
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. Zent* TITLE: Geologist DATE: 3/24/99
APPROVED BY: *Martyn J. Kelly* TITLE: Env Geologist DATE: 3/26/99

District I - (505) 393-6161
P.O. Box 1980
Tobbs, NM 88241-1980
District II - (505) 748-1283
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Artesia, NM 88210
District III - (505) 334-6178
Brazos Road
NM 87410
District IV - (505) 827-7131

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

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Originated 8/8/95

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District Office

Env. JN: 98059-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Donny Faust 10:00 a.m. 3.23.99	4. Generator Universal Compression
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		5. Originating Site Saymore 723
3. Address of Facility Operator 5796 US 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.		"L" Sec 24, T31N, R9W S1C
All transporters must certify the wastes delivered are only those consigned for transport.		

BRIEF DESCRIPTION OF MATERIAL:

Clean up of new motor oil released on a compressor location
MSDS Attached.

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 3.24.99
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:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Universal Compression 1125 US Hwy 550 AZTEC, NM 87400	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Seymour 723 "L", Sec 24, T31N, R9W SAN JUAN County, NM Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): S A H E
4. Source and Description of Waste Cleanup of New Motor oil Spill Chevron Gas Engine oil 541 SAE 15W-40	

I, Jim Lewis representative for:
(Print Name)

Universal Compression, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☒ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Jim Lewis

Title: Field Supervisor

Date: 3-24-99

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

AJAX

PRODUCT NUMBER(S): CPS235458

COMPANY IDENTIFICATION

EMERGENCY TELEPHONE NUMBERS

Chevron USA Products Company
Environmental, Safety, and Health
Room 2900
575 Market St.
San Francisco, CA 94105-2856

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
> 85.0x

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: 2

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.

4. FIRST AID MEASURES

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 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 (x by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

MFPA RATINGS: Health 1; Flammability 1; Reactivity 8.

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: 804701
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: 13.8 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: 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: 004701
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

Transmission Report

Date/Time
Local ID
Local Name
Company Logo

3-24-99; 8:27AM
505 6321865
YOUNG ENVIRONMENTAL

This document was confirmed.
(reduced sample and details below)
Document Size Letter-S

envirotech memo/fax

to: Jim Lewis
company: Universal Compression
fax #: 334-7547
re: CWS Oil Field Non-Example
date: 3-24-99
pages: 2 (including cover sheet)
project: Soil Remediation Profile
cc:
comments... Jim:
Please sign & leave an original copy w/ your
Secretary.
(Hollis)
Hollis

from the desk of... HAROLD W. BROWN

envirotech inc.
5796 us highway 64
farmington, n. m. 87401
505 . 632 . 0615
505 . 632 . 1865 fax

this information is intended for the individual above and is confidential. if you have received this facsimile in error, please call the number listed above. thank you

Total Pages Scanned : 2' Total Pages Confirmed : 2'

No.	Doc	Remote Station	Start Time	Duration	Pages	Mode	Comments	Results
1	290	3347547	3-24-99; 8:26AM	40"	2/ 2	EC		CP 14400

** Notes **

EC: Error Correct
BC: Broadcast Send
CP: Completed
L: Local Scan

RE: Resend
MP: Multi-Poll
RM: Receive to Memory
LP: Local Print

PD: Polled by Remote
PG: Polling a Remote
DR: Document Removed
FO: Forced Output

MB: Receive to Mailbox
PI: Power Interruption
TM: Terminated by user
WT: Waiting Transfer

CLIENT WORKUP FORM

Envirotech, Inc. 5796 U.S. Highway 64 Farmington, NM 87401 (505) 632-0615

HOURLY RATE AT: STANDARD RATES

CONTRACT RATE AT: \$

CLIENT NO.: 98059-04

UST RATES

Engagement Title (26 char. max): Seymore 723

SPECIAL RATES (see below)

Assigned by:

Date assigned:

CLIENT'S BUSINESS NAME: Universal Compression

TAXABLE: YES* NO

CONTACT PERSON ☒ Mr. ☐ Mrs. Ms.: Jim Lewis

Telephone: () 334-6713

*Fed. Tax ID:

PHYSICAL ADDRESS: 1125 U.S. Hwy 550

City: AZTEC

State: NM

Zip: 87410

Telephone: ()

Fax: () 334-7547

BILLING ADDRESS: Accts Payable: P.O. Box 40009

City: Houston

State: TX

Zip: 77240

Telephone: (713) 466-4103

Fax: (713) 466-6031

Copr Jim Lewis in
AZTEC

Payment from Houston
Include Copr of P.O. w/
Invoice.

ADDITIONAL CONTACT Mr. Mrs. Ms.:

Telephone: ()

DESCRIPTION OF WORK TO BE PERFORMED (include any special billing rates or schedules):

Field Purchase Order. # 306120 ; Clean up new motor oil spill

JOB APPROVAL:

DATE:

3.24.99

SETUP BY:

HAB

CREDIT CHECK RESULTS:

CREDIT CHECK PERFORMED BY:

DATE:

**SHOW THIS NUMBER ON
ALL INVOICES, PACKING
LISTS AND LABELS**

X Universal Compression
Houston Office
4460 Brittnmoore Road
P.O. Box 40009
Houston, TX 77240
Ph: (713) 466-4103
Fax: (713) 466-6031

Universal Compression
Cuddy Office
677 Millers Run Road
P.O. Box 458
Cuddy, PA 15031
Ph: (412) 257-1600
Fax: (412) 257-1623

☐ Universal Compression
Aztec Office
1125 U.S. Hwy 550
Aztec, NM 87410
Ph: (505) 334-6713
Fax (505) 334-7547

☐ Universal Compression
Kalkaska Office
402 E. Dresden Street
Kalkaska, MI 49646
Ph: (616) 258-8835
Fax: (616) 258-4044

☐ Universal Compression
Brookwood Office
15545 Hwy 216
Brookwood, AL 35444
Ph: (205) 556-8552
Fax: (205) 556-1140

☐ **Universal Compression.**
Mineral Wells Office
548 Grant Road
Mineral Wells, TX 76067
Ph: (940) 325-9581
Fax: (940) 325-3869

JOB NO.	UNIT NO.	ACCTG. NO.	DATE
	403056	1421010	3-23-99

PLEASE ACKNOWLEDGE, GIVING SHIPPING DATE IF YOU CANNOT SHIP IMMEDIATELY

VENDOR <i>Eximrotech INC</i>	
STREET ADDRESS <i>5796 Hwy 64</i>	CITY <i>FARMINGTON</i> <i>87001</i> <i>nm 87401</i>

IMPORTANT: MAIL INVOICE IN DUPLICATE WITH BLUE COPY OF FIELD PURCHASE ORDER TO UNIVERSAL COMPRESSION, INC. AS NOTED ABOVE.

[illegible]

envirotech memo/fax

to: Jim Lewis

company: Universal Compression

fax #: 334-7547

re: CWS-Oilfield Non-Exempt

date: 3.24.99

pages: 2 (including cover sheet)

project: Soil Remediation Profile

cc: _____

Comments... Jim:

Please sign & leave an original copy w/ your
secretary.

Thanks

Harlan

from the desk of... Harlan M. Brown

envirotech inc.
5796 us highway 64
farmington, n. m. 87401

505 . 632 . 0615 125
505 . 632 . 1865 fax

DIRECTIONS TO LEASE LOCATION
(To be filled out by TIDEWATER Rep.
at time of installation.)

CUSTOMER: M.O.I.
LEASE NAME: SEYMORE 723 COUNTY: S.T. STATE: NM
UNIT # 403056 DATE 6.30.95

DIRECTIONS TO SITE: TAKE 173 OUT OF AZTEC
TO COUNTY RD 4600 ^{TURP} _{LEFT} GO TO MAIN FORK ^{2nd} _{loop}
AT LOWER PUMP TAKE LEFT FORK, THEN
STAY ON MAIN RD APX 4 MILES LOC
IS RIGHT ON MAIN RD.

cf
Pg 324/2439
320 2671

Jim Lewis
PH # 334 6713
FH # 334 7547
MB # 860 3376
Pag # 324 4634

REMARKS:

SIGNED

DATE

6.30.95

DIRECTIONS TO LEASE LOCATION
(To be filled out by TIDEWATER Rep.
at time of installation.)

CUSTOMER: M.O.I.
LEASE NAME: SEYMORE 723 COUNTY: S.T. STATE: NM
UNIT # 403056 DATE 6.30.95

DIRECTIONS TO SITE: TAKE 173 OUT OF AZTEC
TO COUNTY RD 4600. ^{TURP} GO TO MAIN FORK ^{2nd} ^{600'}
AT LOWER PUMP TAKE LEFT FORK, THEN
STAY ON MAIN RD APX 4 MILES LOC
IS RIGHT ON MAIN RD.

cf
Pg 324/2439
320 2671

Jim Kauts
PH # 334 6713
FH # 334 7547
MB # 860 3376
Pag # 324 4634

REMARKS:

SIGNED

DATE

6.30.95

DIRECTIONS TO LEASE LOCATION
(To be filled out by TIDEWATER Rep.
at time of installation.)

CUSTOMER: M.O.I.LEASE NAME: SEYMORE 723COUNTY: S.T. STATE: NYUNIT # 403056DATE 6.30.95

DIRECTIONS TO SITE: TAKE 173 OUT OF AZTEC
TO COUNTY RD 4600. ^{TURK} GO TO MAIN FORK ^{2nd}
AT LOWER PUMP TAKE LEFT FORK, THEN
STAY ON MAIN RD APX 4 MILES LOC
IS RIGHT ON MAIN RD.

cf
Pg 324/2439
320 2671

Jim Kauts
PH# 334 6713
FH# 334 7547
MB# 860 3376
Pag# 324 4634

REMARKS:

SIGNED

DATE

6.30.95

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Alamogordo, 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: 92142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>	Danny Faust 3.11.99 7:55 A.M.	4. Generator PESCO
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		5. Originating Site Main Canal
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401		8. State New Mexico
7. Location of Material (Street Address or ULSTR)		5680 Hwy 64 Farmington
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 generated from cleaning and refurbishing production storage tanks, separators, dehy's and other production equip.

LF-2-5

2-22-99 11576 LF2 Blending → Y-13 3,900 gal

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 03.11.99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

Never signed 4/17/91

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

Jn: 92142

Danny Faust
Verbal
3:11:99
7:55

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: PESCO 5680 Highway 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Process Equipment & Service Company 5680 US Highway 64 Farmington, New Mexico 87401	Location of the Waste (Street address &/or ULSTR): Mainyard, stored in 55 gallon drums & 18 Cubic Foot Steel Boxes.
Attach list of originating sites as appropriate	
4. Source and Description of Waste Solids generated from cleaning and refurbishing production storage tanks, separators, dehydrators, and other production equipment.	

I, Gary Howe (Print Name) representative for:
Process Equipment and Service Company, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): *Gary Howe*

Title: Safety Director

Date: 3-10-99



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) 327-7550

NORM SURVEY DATA SHEET

Facility/Location: PESCO Date: 3-10-99

Meter Model: 3007 A Serial No.: 9808-238

Detector Type: [] Model 3012 Serial No.: 201-887-7100

[] Model _____ Serial No.: _____

Battery Check [✓] Source Check []

Calibration Date: 3-11-98

Source Type: _____

Background Radiation Level: 15 CPM
microR/hr

Description of Equipment/Material Surveyed: Oilfield Equipment

Item/Material Surveyed
(Description, Serial Number, Size Quantity, etc.)

Maximum microR/hr.

Exempt Waste to be Land Filled

15 CPM

Comments: _____

Survey(s) Conducted By: GARY W. HOWE
(Print Name)
Gary W. Howe
(Signature)

P.O. Box 1980
Hobbs, NM 88241-1980
District I - (505) 748-1283
8th S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Farmington, NM 87410
District IV - (505) 827-7131

Energy N

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

RECEIVED
MAR 1 1999
Environmental Bureau
Oil Conservation Division
Env. JN: 92132

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Harliburton Energy Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E Main St, Farmington</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 Waste by Solios

TCLP & REAFFIRMATION Statement ATTACHED

RECEIVED
MAR 22 1999
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 11 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 90 cy Known Volume (to be entered by the operator at the end of the haul) 32 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 3-10-99
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. Feist TITLE: Geologist DATE: 3/15/99
APPROVED BY: Martyn J. Kubi TITLE: Env. Geologist DATE: 3/17/99

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: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Harliburton Energy Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E Main St, Farmington</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 by Solids

TCLP & REAFFIRMATION Statement ATTACHED

RECEIVED
MAR 11 1999

OIL CON. DIV.
DIST. 3

Estimated Volume 90 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 3-10-99
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. Fout TITLE: Geologist DATE: 3/15/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Halliburton Energy Services 4109 E. Main Street Farmington, New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Halliburton Energy Services 4109 E. Main Street Farmington, New Mexico 87401 <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): Solids stabilization pad East side of Main Yard Facility 4109 E. Main Street Farmington, New Mexico
4. Source and Description of Waste Continuation of wash bay solids; mud and related material generated at truck wash bay	

I, James L. Hancy representative for:
 (Print Name)
Halliburton Energy Services do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

Name (Original Signature): James L. Hancy
 Title: Supervisor Shared Services
 Date: 3-9-99

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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 Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP 1-13-99
~~1-13-98~~

Printed Name James L. Haney

Title / Agency Halliburton

Address 4109 E. Main St
Farmington, N.M.

Signature James L. Haney

Date 3-9-99

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:	01-19-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-19-99
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

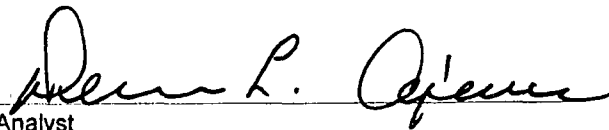
ND - Parameter not detected at the stated detection limit.


QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	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: East Main, Farmington.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 28, 1999

Mr. Ed Shannon
Halliburton Energy Services, Inc.
4109 East Main Street
Farmington, New Mexico 87401

Project No.: 92132

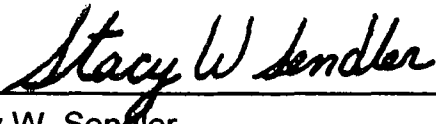
Dear Mr. Shannon,

Enclosed are the analytical results for the sample collected from the location designated as "East Main, Farmington-Wash Bay Solids". One soil sample was collected by Envirotech personnel on 01/13/99, and delivered to the Envirotech laboratory on 01/13/99 for Hazardous Waste Characterization analysis (Volatiles, Semi-Volatiles, Trace Metals, Corrosivity, Ignitability, and Reactivity).

The sample was documented on Envirotech Chain of Custody No. 6498 and assigned Laboratory No. E499 for tracking purposes. The sample was extracted on 01/18/99 and analyzed 01/18/99 through 01/27/99 using USEPA or equivalent methods.

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
Environmental Scientist/Laboratory Manager

enc.

SWS/sws

92132/tclp0199.lb1

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-15-99
Lab ID#:	E499	Date Sampled:	01-13-99
Sample Matrix:	Soil	Date Received:	01-13-99
Preservative:	Cool	Date Analyzed:	01-15-99
Condition:	Cool and Intact	Chain of Custody:	6498

Parameter	Result
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IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.98

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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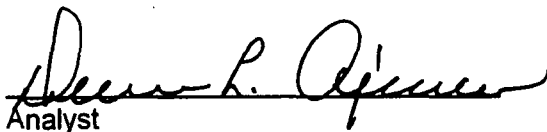
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation
of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: East Main, Farmington.


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:	01-21-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.123	0.020	200
p,m-Cresol	0.054	0.040	200
2,4,6-Trichlorophenol	0.060	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	0.556	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%

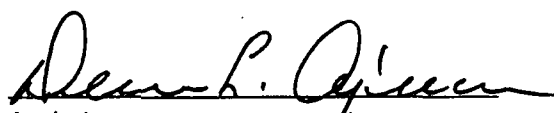
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.


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. 1986.

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

Comments: East Main, Farmington.


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:	01-22-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	0.054	0.020	5.0
Hexachloroethane	0.353	0.020	3.0
Nitrobenzene	0.202	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

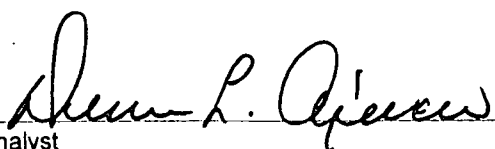
ND - Parameter not detected at the stated detection limit.


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: East Main, Farmington.


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:	01-23-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Analyzed:	01-23-99
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	1.53	0.001	21
Cadmium	0.0329	0.0001	0.11
Chromium	0.0301	0.0001	0.60
Lead	0.0309	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

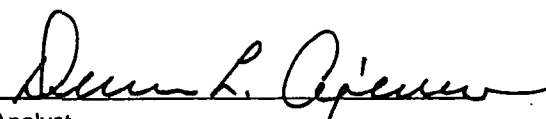
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: East Main, Farmington.


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:	01-19-99
Laboratory Number:	01-19-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
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

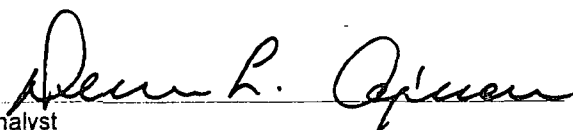
ND - Parameter not detected at the stated detection limit.


QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	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 E499 and E503.


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:	01-19-99
Laboratory Number:	01-18-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
Condition:	N/A	Date Extracted:	01-18-99
		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

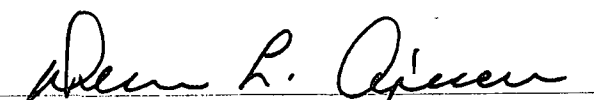
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	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 samples E499 and E503.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

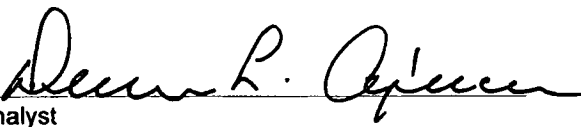
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Sample ID:	Matrix Duplicate	Date Reported:	01-19-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	01-19-99
Condition:	N/A	Date Extracted:	N/A

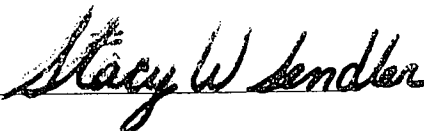
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
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 samples E499 and E503.


Analyst


Review

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

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

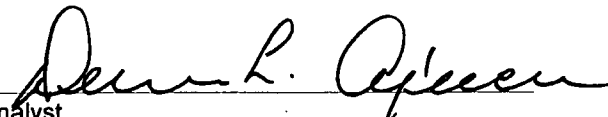
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

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	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-21-99
Laboratory Number:	01-21-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-21-99
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	99 %

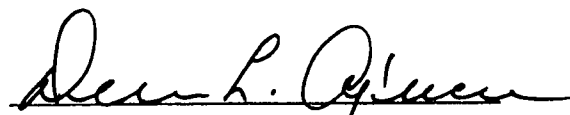
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

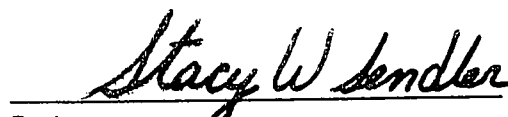
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-21-99
Laboratory Number:	01-18-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		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%

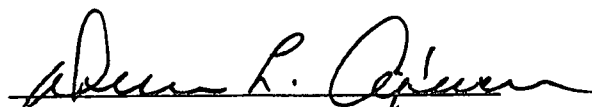
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

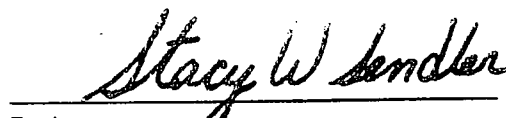
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.123	0.122	0.020	1.0%
p,m-Cresol	0.054	0.053	0.040	2.0%
2,4,6-Trichlorophenol	0.060	0.059	0.020	1.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	0.556	0.551	0.020	0.8%

ND - Parameter not detected at the stated detection limit.

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

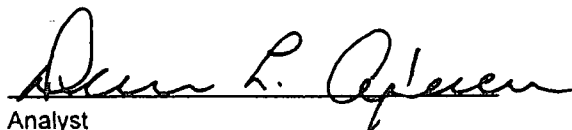
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

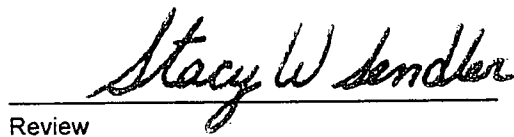
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 E499 and E503.


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:	01-22-99
Laboratory Number:	01-21-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:	01-21-99
		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

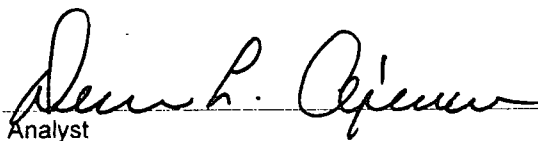
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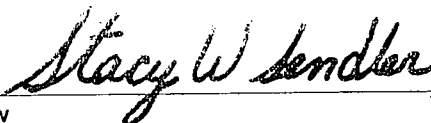
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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: QA/QC for samples E499 and E503.


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:	01-22-99
Laboratory Number:	01-18-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool and Intact	Date Analyzed:	01-21-99
		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

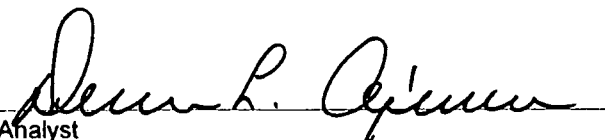
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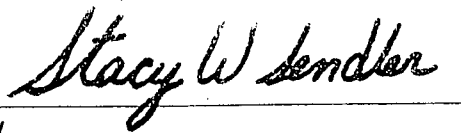
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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 E499 and E503.


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: E499
Sample Matrix: TCLP Extract
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 01-22-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-18-99
Date Analyzed: 01-21-99
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	0.054	0.053	1.0%	0.020
Hexachloroethane	0.353	0.349	1.0%	0.020
Nitrobenzene	0.202	0.200	0.9%	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

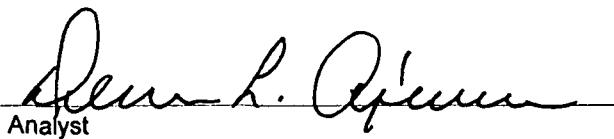
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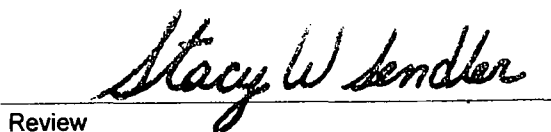
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 E499 and E503.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	01-23-TCM QA/QC	Date Reported:	01-23-99
Laboratory Number:	E449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	01-23-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	1.53	1.53	0.0%	0% - 30%
Cadmium	ND	ND	0.0001	0.0329	0.0324	1.5%	0% - 30%
Chromium	ND	ND	0.0001	0.0301	0.0300	0.3%	0% - 30%
Lead	ND	ND	0.0001	0.0309	0.0307	0.6%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spiked Conc. (mg/L)	Spiked Conc. (mg/L)	Spiked Conc. (mg/L)	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.1000	ND	0.0997	99.7%	80% - 120%
Barium	1.000	1.53	2.53	100.0%	80% - 120%
Cadmium	0.0500	0.0329	0.0826	99.6%	80% - 120%
Chromium	0.0500	0.0301	0.0802	100.1%	80% - 120%
Lead	0.1000	0.0309	0.131	99.8%	80% - 120%
Mercury	0.0250	ND	0.0248	99.2%	80% - 120%
Selenium	0.1000	ND	0.0998	99.8%	80% - 120%
Silver	0.0500	ND	0.0499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

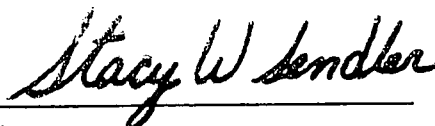
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E499 and E503.


Analyst


Review

CHAIN OF CUSTODY RECORD

6498

Client / Project Name HALLIBURTON			Project Location EAST main FARMINGTON		ANALYSIS / PARAMETERS								
Sampler: Mari S. Young			Client No. 92132		No. of Containers 1	TCLP w/o H&P						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
Whse Box Solids	1/13/99	12:10	E499	Soil									
Relinquished by: (Signature) Mari S. Young			Date 1/13/99	Time 12:30	Received by: (Signature) Christ W. Carter			Date 1-13-99	Time 12:30				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
<div style="text-align: center;"> ENVIROTECH INC. <hr/> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615 </div>										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

Box 1980
Albuquerque, NM 88241-1980
District II - (505) 748-1283
J. 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

Environmental Bureau
Oil Conservation Division

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: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>EPFS</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>Belland Plant</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>NE SE & SE NE Sec 26 T26N, R9W</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 compressor oil contaminated soil.

RECEIVED
MAR 2 2 1999
OIL CON. DIV.
DIST. 3

RECEIVED
MAR 1 1 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 68 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 3-16-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Darryl Z. Fort TITLE: Geologist DATE: 3/15/99
APPROVED BY: Matthew J. Kelly TITLE: Env. Geologist DATE: 3/17/99

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
8115. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Las Alamos, 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: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>EPFS</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>Beeland Plant</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>NE SE & SENE Sec 26 T26N, R9W.</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 compressor oil contaminated soil.

RECEIVED
MAR 11 1999
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: 3-16-99
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. Kent TITLE: Geologist DATE: 3/15/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Ballard Plant	Location of Waste(Street address &/or ULSTR): NE/4 of SE/4 and SE/4 of NE4. Sec. 26, T26N, R9W
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soils contaminated with used lubricating oil	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT Oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☒ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: January 26, 1999

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

March 2, 1999

Mr. John Lambdin
El Paso Field Services
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 97057
Job No.: 705702

Dear John,

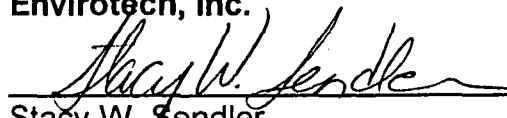
Enclosed are the analytical results for the sample collected from the location designated as "Ballard Plant". One soil sample identified as "Used Oil Stockpile" was collected from the designated location by Envirotech personnel on 02/18/99, and received by the Envirotech laboratory on 02/19/99 for Hazardous Waste Characterization analysis (Volatile and Semi-volatile Organics, Trace Metals, Reactivity, Corrosivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 6614 and assigned Laboratory No. E695 for tracking purposes.

The sample was extracted on 02/22/99 and analyzed on 02/22/99 through 03/05/99 using USEPA or equivalent methods.

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
Environmental Scientist/Laboratory Manager

enclosure

SWS/sws

97027-02.lb1/wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	EPFS	Project #:	705702
Sample ID:	Used Oil Stockpile	Date Reported:	02-22-99
Lab ID#:	E695	Date Sampled:	02-18-99
Sample Matrix:	Soil	Date Received:	02-19-99
Preservative:	Cool	Date Analyzed:	02-22-99
Condition:	Cool and Intact	Chain of Custody:	6614

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.84

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

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

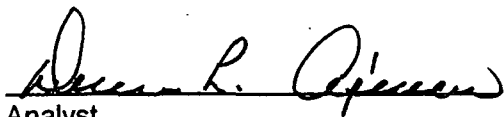
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

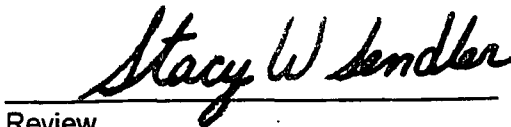
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Ballard Plant.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020 AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	EPFS	Project #:	705702
Sample ID:	Used Oil Stockpile	Date Reported:	03-01-99
Laboratory Number:	E695	Date Sampled:	02-18-99
Chain of Custody:	6614	Date Received:	02-19-99
Sample Matrix:	Soil	Date Extracted:	02-22-99
Preservative:	Cool	Date Analyzed:	02-26-99
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

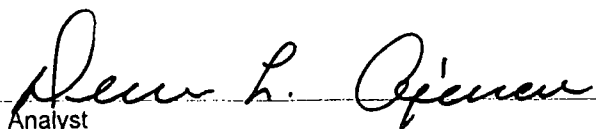
ND - Parameter not detected at the stated detection limit.

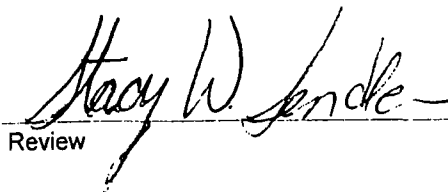
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: **Ballard Plant.**


Analyst


Review

Client:	EPFS	Project #:	705702
Sample ID:	Used Oil Stockpile	Date Reported:	03-01-99
Laboratory Number:	E695	Date Sampled:	02-18-99
Chain of Custody:	6614	Date Received:	02-19-99
Sample Matrix:	Soil	Date Extracted:	02-22-99
Preservative:	Cool	Date Analyzed:	03-01-99
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	0.708	0.020	2.0
2,4,5-Trichlorophenol	0.222	0.020	400
Pentachlorophenol	0.091	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%

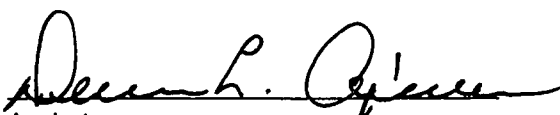
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

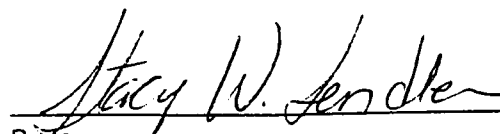
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: Ballard Plant.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	EPFS	Project #:	705702
Sample ID:	Used Oil Stockpile	Date Reported:	03-01-99
Laboratory Number:	E695	Date Sampled:	02-18-99
Chain of Custody:	6614	Date Received:	02-19-99
Sample Matrix:	Soil	Date Extracted:	02-22-99
Preservative:	Cool	Date Analyzed:	03-01-99
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	0.056	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.

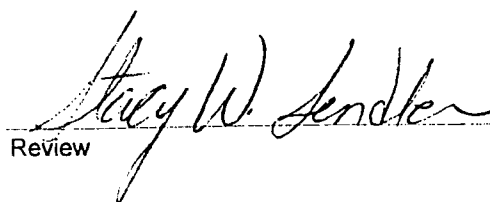
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

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: Ballard Plant.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	EPFS	Project #:	705702
Sample ID:	Used Oil Stockpile	Date Reported:	03-03-99
Laboratory Number:	E695	Date Sampled:	02-18-99
Chain of Custody:	6614	Date Received:	02-19-99
Sample Matrix:	Soil	Date Analyzed:	03-03-99
Preservative:	Cool	Date Extracted:	02-22-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.0437	0.0001	5.0
Barium	0.891	0.001	21
Cadmium	0.0173	0.0001	0.11
Chromium	ND	0.0001	0.60
Lead	0.0149	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	0.0315	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.


References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

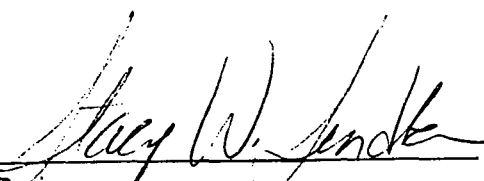
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Ballard Plant.


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:	03-01-99
Laboratory Number:	02-26-TCV Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-26-99
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

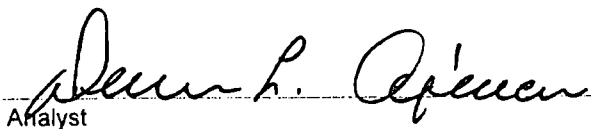
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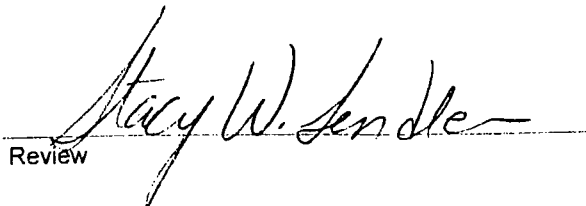
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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: QA/QC for samples E695 - E696.


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:	03-01-99
Laboratory Number:	02-22-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-26-99
Condition:	N/A	Date Extracted:	02-22-99
		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

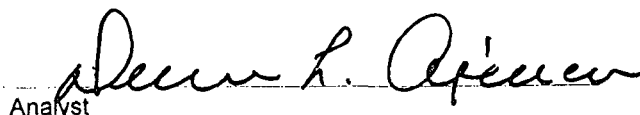
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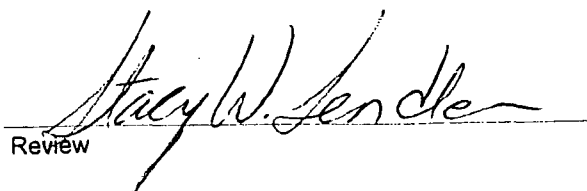
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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 samples E695 - E696.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

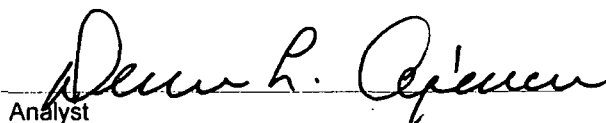
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-01-99
Laboratory Number:	E695	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	02-26-99
Condition:	N/A	Date Extracted:	N/A

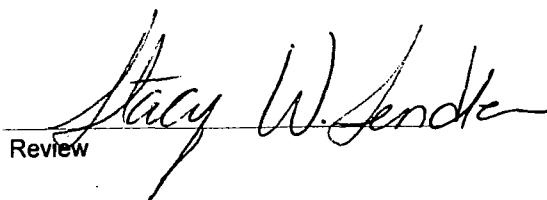
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
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 samples E695 - E696.


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: E695
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

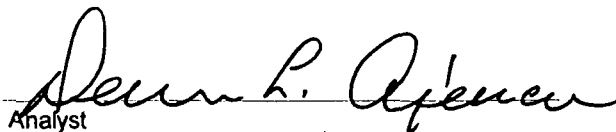
Project #: N/A
Date Reported: 03-01-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 02-26-99
Date Extracted: N/A

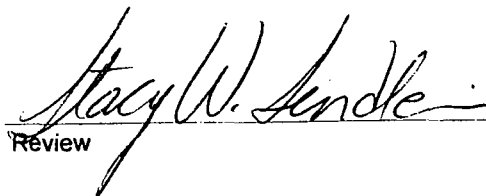
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 E695 - E696.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-01-99
Laboratory Number:	03-01-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-01-99
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	99 %

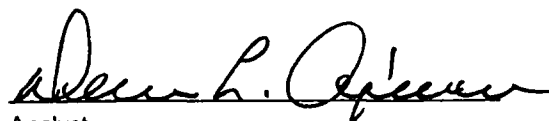
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

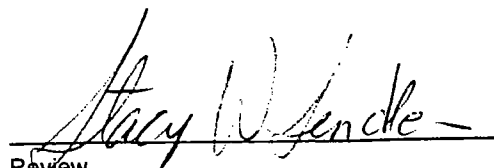
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E695 - E696.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	03-01-99
Laboratory Number:	02-22-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-22-99
Condition:	Cool & Intact	Date Analyzed:	03-01-99
		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%

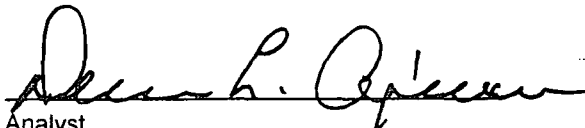
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

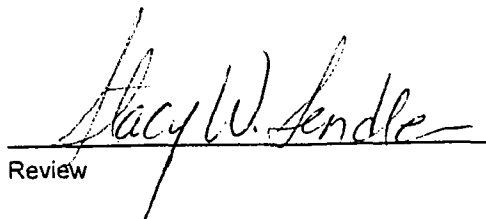
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E695 - E696.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-01-99
Laboratory Number:	E695	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	03-01-99
		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	0.708	0.701	0.020	1.0%
2,4,5-Trichlorophenol	0.222	0.219	0.020	1.1%
Pentachlorophenol	0.091	0.090	0.020	0.8%

ND - Parameter not detected at the stated detection limit.

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

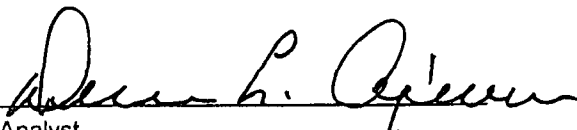
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

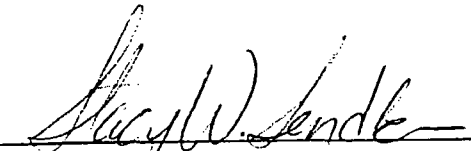
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 E695 - E696.


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: 03-01-TBN-Blank
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 03-01-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 03-01-99
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.

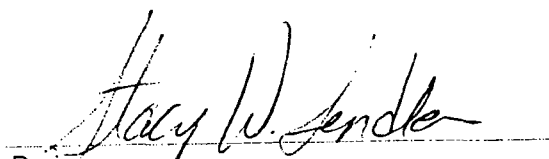
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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 E695 - E696.


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: 02-22-BN-MB
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 03-01-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 02-22-99
Date Analyzed: 03-01-99
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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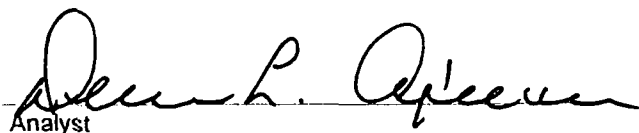
2-fluorobiphenyl

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 E695 - E696.


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: E695
Sample Matrix: TCLP Extract
Preservative: N/A
Condition: N/A

Project #: - N/A
Date Reported: 03-01-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 02-22-99
Date Analyzed: 03-01-99
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	0.056	0.055	1.0%	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

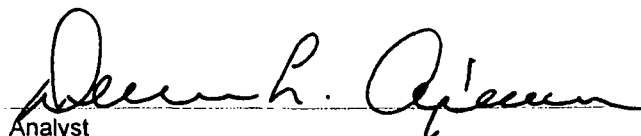
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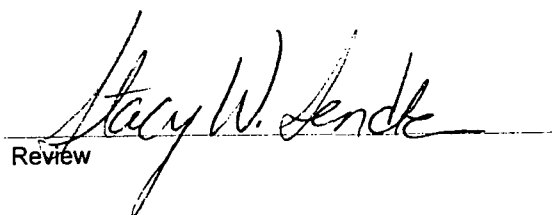
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 E695 - E696.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	03-03-TCM QA/QC	Date Reported:	03-03-99
Laboratory Number:	E695	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	03-03-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.0001	0.0437	0.0435	0.5%	0% - 30%
Barium	ND	ND	0.001	0.891	0.896	0.6%	0% - 30%
Cadmium	ND	ND	0.0001	0.0173	0.0174	0.6%	0% - 30%
Chromium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.0001	0.0149	0.0150	0.7%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	0.0315	0.0312	1.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.1000	0.0437	0.144	100.1%	80% - 120%
Barium	1.000	0.891	1.89	99.8%	80% - 120%
Cadmium	0.0500	0.0173	0.0672	99.9%	80% - 120%
Chromium	0.0500	ND	0.0498	99.6%	80% - 120%
Lead	0.1000	0.0149	0.115	99.9%	80% - 120%
Mercury	0.0250	ND	0.0249	99.6%	80% - 120%
Selenium	0.1000	0.0315	0.131	99.6%	80% - 120%
Silver	0.0500	ND	0.0498	99.6%	80% - 120%

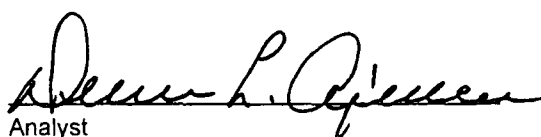
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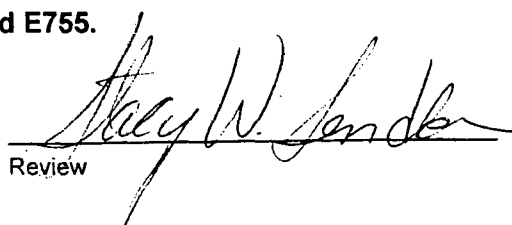
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.


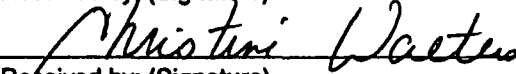
Comments: QA/QC for samples E695, E696 and E755.


Analyst


Review

CHAIN OF CUSTODY RECORD

6614

Client / Project Name EPFS			Project Location BALLARD Plant.		ANALYSIS / PARAMETERS									
Sampler: Bill Carter			Client No. 705702		No. of Containers 1	TCP ✓	w/o H&P						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
USED OIL Stockpile	2-18-99	10:00	EL695	Soil										
Relinquished by: (Signature) 			Date 2-19-99	Time 12:55	Received by: (Signature) 						Date 2-19-99	Time 12:55		
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt			
												Y	N	NA
											Received Intact	<input checked="" type="checkbox"/>		
											Cool - Ice/Blue Ice			

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: 99005-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Denise Faust 3.9.99 13:10	4. Generator NMCD Paramount
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		5. Originating Site Control Total Tank Battery #3
3. Address of Facility Operator 5796 US 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.		M, Sec 34, T29N, R 13W

BRIEF DESCRIPTION OF MATERIAL:

Soil generated during cleanup of 3 petroleum hydrocarbon
contaminated Tank Dump pits. & demolition of (4) Tank Battery

RECEIVED
MAR 11 1999

OIL CON. DIV.
DIST. 3

Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) 280 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 3.9.99
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. Dir. DATE: 3/15/99

APPROVED BY: [Signature] TITLE: DATE: 3/15/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: NHOC - Paramount 1000 Rio Brazos Rd Aztec, N.M. 87410	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Central Tank Battery #3 M, Sec 34, T29N, R13W.	
Location of the Waste (Street address &/or ULSTR): 	
Attach list of originating sites as appropriate	
4. Source and Description of Waste 3 petroleum Hydrocarbon Contaminated Tank Pits & Tank Battery & vertical separator demolition, and demolition of (4) Tank Battery	

I, Denny Foust representative for:
 (Print Name)
New Mexico Oil Conservation Division do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Denny G. Foust

Title: Environmental Geologist

Date: 3/10/99

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

Energy M

New Mexico
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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	3.5.99 Denny Faust 4:30 PM	4. Generator Smith Drilling & Completions
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		5. Originating Site Shop
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401		6. Transporter TBA
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.		3650 Bloomfield Hwy. Farmington, N.M. 87401

BRIEF DESCRIPTION OF MATERIAL:

Sludges generated during cleanup of separator sump.
TCLP ATTACHED.

RECEIVED
MAR 05 1999

OIL CON. DIV.
DIST. 3

Went to Serrano's

Estimated Volume 1.30 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: 3.5.99
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 Faust TITLE: Geologist DATE: 3/5/99
APPROVED BY: E. Buick TITLE: --- DATE: ---



2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

No 02693

CHAIN-OF-CUSTODY

CLIENT: SMITH INTERNATIONAL INC.
ADDRESS: P.O. BOX 60068 HOUSTON TX 77205-0068
PHONE: (281) 233-5715 FAX (281) 233-5620
DATA REPORTED TO: BERNICE PETERSEN

DATE: 10/26/98 ^{10/27/98} 10/27/98 PAGE 1 OF 1
DHL WORK ORDER #: 9810105
SITE LOCATION: SD+C FARMINGTON, NM
CLIENT PROJECT #: _____ COLLECTOR: B. PETERSEN

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION					ANALYSES																				FIELD NOTES
							HCl	HNO ₃	H ₂ SO ₄	ICE	UNPRESERVED	BTX <input type="checkbox"/> MRE <input type="checkbox"/>	TPH <input type="checkbox"/> 418.1 <input type="checkbox"/> TPH 1005 <input type="checkbox"/>	GAS - MOD 8015 <input type="checkbox"/>	DIESEL - MOD 8015 <input type="checkbox"/>	VOC 8260 <input type="checkbox"/>	SVOC 8270 <input type="checkbox"/>	8081 PE-STICIDES <input type="checkbox"/> PCBS <input type="checkbox"/>	PAH 8270 <input type="checkbox"/> 8310 <input type="checkbox"/>	TCLP - METALS/PCBS <input type="checkbox"/>	TCLP - PEST <input type="checkbox"/> HERB <input type="checkbox"/>	METALS - PRIORITY POLLUTANT <input type="checkbox"/> TAL <input type="checkbox"/> RCPA <input type="checkbox"/>	LEAD <input type="checkbox"/> TOTAL <input type="checkbox"/> D.W. 2382 <input type="checkbox"/> TCPL <input type="checkbox"/>	ROI <input type="checkbox"/> TOX <input type="checkbox"/> FLASHPOINT <input type="checkbox"/>	TDS <input type="checkbox"/> PH 150 <input type="checkbox"/> 9045 <input type="checkbox"/>	GEOTECHNICAL <input type="checkbox"/> WITH hydraulic conductivity <input type="checkbox"/>	HERBICIDES 8151	TOTAL CHLORIDE <input type="checkbox"/> 9058 ANIONS <input type="checkbox"/>	Phosphorus	Oil + Grease		
SL-1-SDC-NM		10/27/98			GLASS	1																									BP 10/27/98	
SL-1-SDC-NM		10/27/98	0845	WATER	PLASTIC	1																									BP 10/27/98	
SL-1-SDC-NM	01	10/27/98	0915	SOLID	GLASS	1																									AIRBILL 805542752103	
SW-1-SDC-NM	02		0845	WATER	PLASTIC	1																										
SW-1-SDC-NM	02		0845	WATER	PLASTIC	1																										
SW-1-SDC-NM	02		0845	WATER	GLASS	1																										
SL-1-SDC-NM	01		0915	SOLID	PLASTIC	1																										

RELINQUISHED BY: (Signature) Bernice Petersen DATE/TIME 10/27/98 11:25 RECEIVED BY: (Signature) FedEx DATE/TIME 10-27-98 11:25
RELINQUISHED BY: (Signature) FedEx DATE/TIME 10-27-98 9:50AM RECEIVED BY: (Signature) J. Vagstad DATE/TIME 10-27-98 9:50AM
RELINQUISHED BY: (Signature) _____ DATE/TIME _____ RECEIVED BY: (Signature) _____ DATE/TIME _____

TAT
RUSH ☐
24-HOUR ☐
48-HOUR ☐
NORMAL ☒
OTHER ☐
PO # _____

LABORATORY USE ONLY:

RECEIVING TEMP: 0.8°C

CHAIN OF CUSTODY SEALS ☐
CARRIER BILL # 805542752103
☐ PICKED UP BY DHL ANALYTICAL STAFF
☐ HAND DELIVERED

☒ DHL DISPOSAL @ \$5.00 each ☐ Return ☐ Pickup



FLASHPOINT ANALYTICAL RESULTS

DHL PROJECT #: 9810105
CLIENT: Smith International, Inc.
CLIENT PROJECT #: N/A
LOCATION: SD & C Farmington, NM

Ignitability (Flashpoint) Analyses of Solid

ANALYTICAL METHOD:	EPA 1010	SAMPLE DATE:	10/27/98
MATRIX:	Solid	SAMPLE REC'D:	10/27/98
ANALYST:	DL	SAMPLE CONDITION:	GOOD
REPORT GENERATED BY:	LB	ANALYSIS DATE:	11/7/98
QA REVIEW:	JD	HOLDING TIME (DAYS):	11
SAMPLE ID:	SL-1-SDC-NM		
Flashpoint	> 90 ° C		


Data Review

DHL Analytical

Date: 19-Nov-98

CLIENT: SMITH INTERNATIONAL
Project Name: SD & C Farmington, NM
Project No: SD & C Farmington, NM
Lab Order: 9810105

Client Sample ID: SL-1-SDC-NM
Lab ID: 9810105-01A
Collection Date: 10/27/98 9:15:00 AM
Matrix: SLUDGE

Analyses	Result	RL	Qual	Units	TCLP Limits	DF	Date Analyzed
TCLP SEMI-VOLATILES		SW1311/8270C				Analyst: FL	
1,4-Dichlorobenzene	ND	0.010		mg/L	7.5	1	11/17/98 7:56:00 PM
2,4,5-Trichlorophenol	ND	0.010		mg/L	400	1	11/17/98 7:56:00 PM
2,4,6-Trichlorophenol	ND	0.010		mg/L	2	1	11/17/98 7:56:00 PM
2,4-Dinitrotoluene	ND	0.010		mg/L	0.13	1	11/17/98 7:56:00 PM
2-Methylphenol	0.0132	0.010		mg/L	200	1	11/17/98 7:56:00 PM
3&4-Methylphenol	0.0148	0.010		mg/L	200	1	11/17/98 7:56:00 PM
Hexachlorobenzene	ND	0.010		mg/L	0.13	1	11/17/98 7:56:00 PM
Hexachlorobutadiene	ND	0.010		mg/L	0.5	1	11/17/98 7:56:00 PM
Hexachloroethane	ND	0.010		mg/L	3	1	11/17/98 7:56:00 PM
Nitrobenzene	ND	0.010		mg/L	2	1	11/17/98 7:56:00 PM
Pentachlorophenol	ND	0.010		mg/L	100	1	11/17/98 7:56:00 PM
Pyridine	ND	0.010		mg/L	5	1	11/17/98 7:56:00 PM
TCLP VOLATILES		SW1311/8260B				Analyst: FL	
1,1-Dichloroethene	ND	0.0050		mg/L	0.7	1	11/4/98 5:35:00 PM
1,2-Dichloroethane	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
1,4-Dichlorobenzene	ND	0.0050		mg/L	7.5	1	11/4/98 5:35:00 PM
2-Butanone	ND	0.050		mg/L	200	1	11/4/98 5:35:00 PM
Benzene	0.00504	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Carbon tetrachloride	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Chlorobenzene	ND	0.0050		mg/L	100	1	11/4/98 5:35:00 PM
Chloroform	ND	0.0050		mg/L	6	1	11/4/98 5:35:00 PM
Tetrachloroethene	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Trichloroethene	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Vinyl chloride	ND	0.0050		mg/L	0.2	1	11/4/98 5:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds TCLP Maximum Concentration Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

DHL Analytical

Date: 19-Nov-98

CLIENT: SMITH INTERNATIONAL**Client Sample ID:** SL-1-SDC-NM**Project Name:** SD & C Farmington, NM**Lab ID:** 9810105-01B**Project No:** SD & C Farmington, NM**Collection Date:** 10/27/98 9:15:00 AM**Lab Order:** 9810105**Matrix:** SLUDGE

Analyses	Result	RL	Qual	Units	TCLP Limits	DF	Date Analyzed
TCLP MERCURY		SW1311/7470A					Analyst: BZ
Mercury	0.0641	0.020		mg/L	0.2	1	11/4/98 1:10:00 PM
TCLP METALS		SW1311/6010B					Analyst: BZ
Arsenic	ND	0.016		mg/L	5	1	11/4/98 4:03:00 PM
Barium	2.01	0.0060		mg/L	100	5	11/4/98 4:31:00 PM
Cadmium	ND	0.0029		mg/L	1	1	11/4/98 4:03:00 PM
Chromium	ND	0.012		mg/L	5	1	11/4/98 4:03:00 PM
Lead	0.0570	0.014		mg/L	5	1	11/4/98 4:03:00 PM
Selenium	ND	0.013		mg/L	1	1	11/4/98 4:03:00 PM
Silver	ND	0.0072		mg/L	5	1	11/4/98 4:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds TCLP Maximum Concentration Level

2 of 2

DHL Analytical

Date: 18-Nov-98

CLIENT:	SMITH INTERNATIONAL	Client Sample ID:	SL-1-SDC-NM
Project Name:	SD & C Farmington, NM	Lab ID:	9810105-01B
Project No:	SD & C Farmington, NM	Collection Date:	10/27/98 9:15:00 AM
Lab Order:	9810105	Matrix:	SLUDGE

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PH SOIL		SW9045B				Analyst: JV
pH	7.58	0		pH Units	1	11/3/98 9:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

1 of 2

DHL Analytical

Date: 18-Nov-98

CLIENT: SMITH INTERNATIONAL

Client Sample ID: SW-1-SDC-NM

Project Name: SD & C Farmington, NM

Lab ID: 9810105-02B

Project No: SD & C Farmington, NM

Collection Date: 10/27/98 8:45:00 AM

Lab Order: 9810105

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL SUSPENDED SOLIDS	E160.2					Analyst: JA
Suspended Solids (Residue, Non-Filterable)	240	5.0		mg/L	1	11/3/98 4:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

2 of 2

**Austin Analytical Laboratory
2401 Holly Street
P. O. Box 1088
Austin, TX 78767-8814
(512) 505-7840
FAX: 505-7843**

November 9, 1998

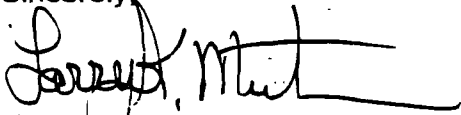
Jacob Vasquez
DHL Analytical
2300 Double Creek Drive
Round Rock, Texas 78664
Phone:388-8222, Fax:388-8229

Enclosed is the laboratory report for the following sample batch:

Sample Batch ID: 98104493
Job Number: DHLANAL
Date Submitted: 10/29/98 11:10
Submitted by: Cindy Taylor
Received by: E. Dudak-Pawlik
Sampler:

The attached analysis results were determined in accordance with the referenced test methods. If you have any question concerning this laboratory report, please contact us at (512) 505-7842.

Sincerely,



Larry K. Mutschler
Acting Laboratory Supervisor
Austin Analytical Laboratory

enclosures

Laboratory Report

Report Date: Monday, November 09, 1998

Client ID	SL-1-SDC-NM (9810106-01C)				
Lab Sample ID	98104493 - 24493		Collection Date	10/27/98	9:15:00 AM
Date Submitted	10/29/98 11:10:00 AM		Sampler		
Submitted by	Cindy Taylor		Sample Matrix	SLUDGE	
Received by	E. Dudak-Pawlik		QC Sample ID	AA14537	
Parameter Name	Result(s)	Units	Reference	Analysis Date	Reporting Limit
Reactive cyanide	179	mg/Kg as HCN	SW846.7.3	11/6/98	25
Reactive sulfide	< 50	mg/Kg as H2S	SW846.7.3	11/6/98	50

Client ID	SW-1-SDC-NM (9810105-02A)				
Lab Sample ID	98104493 - 24494		Collection Date	10/27/98	8:45:00 AM
Date Submitted	10/29/98 11:10:00 AM		Sampler		
Submitted by	Cindy Taylor		Sample Matrix	Water	
Received by	E. Dudak-Pawlik		QC Sample ID	AA14538	
Parameter Name	Result(s)	Units	Reference	Analysis Date	Reporting Limit
Total Phosphate	5.84	mg/L as P	SM4500P	10/29/98	0.198

Client ID	SW-1-SDC-NM (9810106-02C)				
Lab Sample ID	98104493 - 24495		Collection Date	10/27/98	8:45:00 AM
Date Submitted	10/29/98 11:10:00 AM		Sampler		
Submitted by	Cindy Taylor		Sample Matrix	Water	
Received by	E. Dudak-Pawlik		QC Sample ID	AA14539	
Parameter Name	Result(s)	Units	Reference	Analysis Date	Reporting Limit
Oil and Grease	5.5	mg/L	E1664	11/4/98	2.9

QC Report for sample batch: 98104493

Reactive cyanide

QC Batch Number: CN-RX-1162

Analysis Date: 11/06/98

QC Sample ID: AA14537

Method blank	< 0.004	mg HCN
Laboratory control standard	6.64	mg HCN
Laboratory control standard measurement	5.25	mg HCN
Laboratory control standard recovery	79.1	% Recovery

Oil and Grease

QC Batch Number: O&G_SP-1146

Analysis Date: 11/04/98

QC Sample ID: AA14569

Method blank	< 2.9	mg/L
Laboratory control standard	40.0	mg/L
Laboratory control standard measurement	36.8	mg/L
Laboratory control standard recovery	92.0	% Recovery
Matrix spike added	40.0	mg/L
Matrix spiked sample result	39.2	mg/L
Matrix spike recovery	98.0	% Recovery

Reactive sulfide

QC Batch Number: S-RX-1161

Analysis Date: 11/06/98

QC Sample ID: AA14537

Method blank	< 0.0013	mg H ₂ S
Laboratory control standard	22.7	mg H ₂ S
Laboratory control standard measurement	21.4	mg H ₂ S
Laboratory control standard recovery	94.3	% Recovery

Total Phosphate aqueous

QC Batch Number: TPO4-1121

Analysis Date: 10/29/98

QC Sample ID: AA14502

Method blank	< 0.02	mg/L as P
Laboratory control standard	0.163	mg/L as P
Laboratory control standard measurement	0.163	mg/L as P
Laboratory control standard recovery	100	% Recovery
Laboratory control standard duplicate	0.163	mg/L as P
Laboratory control standard duplicate measurement	0.157	mg/L as P
Laboratory control standard duplicate recovery	96.3	% Recovery
LCS/LCSD relative percent deviation	3.77	RPD

QC Report for sample batch: 98104493

Total Phosphate aqueous

QC Batch Number: TPO4-1123

Analysis Date: 10/29/98

QC Sample ID: AA14538

Matrix spike added	3.26	mg/L as P
Matrix spiked sample result	9.14	mg/L as P
Matrix spike recovery	101	% Recovery
Matrix duplicate	6.00	mg/L as P
Matrix duplicate relative percent deviation	2.70	RPD

Unspiked sample results:

<u>Analysis parameter</u>		<u>Result</u>	<u>Units</u>	<u>QC Sample ID</u>
Oil and Grease		< 2.9	mg/L	AA14569
Total Phosphate		5.84	mg/L as P	AA14538

CHAIN OF CUSTODY RECORD

Holly Street Laboratory
2401 Holly Street
Austin, TX 78702
(512) 605-7840 FAX (512) 505-7843

Client DH Analytical
Sampler _____
Contact Jacob Vazquez

Date 10-29-98

Page 1 of 1

☐ Cost Tracking Incident

W.O. Number

Batch Number

9810493

Sample I.D./Description

Matrix

Date/Time
Collected

Analysis Request

TAT
Request

Lab I.D.

SL-1-SDC-NM (9810105-01C)

Sludge

10-27-98 9:15AM

Reactivity

1/wk

24493

SW-1-SDC-NM (9810105-02A)

Water

10-27-98 8:45AM

Total Phosphorus

1/wk

24494

SW-1-SDC-NM (9810105-02C)

Water

10-27-98 8:45AM

1664

1/wk

24495

List possible sample hazards

1. Relinquished by C. Taylor of DH Date/Time 10/29/98 11:10AM
2. Received by AAI of AAI Date/Time 10/29/98 11:10am
3. Relinquished by _____ of _____ Date/Time _____
4. Received by _____ of _____ Date/Time _____
5. Relinquished by _____ of _____ Date/Time _____
6. Received by _____ of _____ Date/Time _____

Tests Available:

PCB, TPH, Pb, Fe, Cu, Ca, O&G,
TSS, COD, TOC, pH, Conductivity,
PLM, PCM

Matrix Types:

Water, Oil, Soil, Palm, Wipe, Filler,
Sludge, Bulk

TAT Request

Priority 1 - 24 hr
Priority 2 - 72 hr
Priority 3 - 2 wk

Am

CLIENT: SMITH INTERNATIONAL
Work Order: 9810105
Project: SD & C Farmington, NM

QC SUMMARY REPORT

Method Blank

Sample ID: MB-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
Run ID: ICP_981104A Analysis Date: 11/4/98 3:29:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	16							
Barium	ND	1.3							
Cadmium	ND	2.9							
Chromium	ND	12							
Lead	ND	14							
Selenium	ND	13							
Silver	ND	7.2							

Sample ID: MB-2255 Batch ID: 2255 Test Code: SW8260B Units: µg/L
Run ID: GCMS2_981104A Analysis Date: 11/4/98 4:41:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	5							
1,2-Dichloroethane	ND	5							
1,4-Dichlorobenzene	ND	5							
2-Butanone	ND	50							
Benzene	ND	5							
Carbon tetrachloride	ND	5							
Chlorobenzene	ND	5							
Chloroform	ND	5							
Tetrachloroethene	ND	5							
Trichloroethene	ND	5							
Vinyl chloride	ND	5							

Sample ID: MB-2256 Batch ID: 2256 Test Code: SW1311/7470 Units: mg/L
Run ID: CVAA_981104A Analysis Date: 11/4/98 1:10:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.02							

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
Work Order: 9810105
Project: SD & C Farmington, NM

QC SUMMARY REPORT
Method Blank

Sample ID: MB-2270 Batch ID: 2270 Test Code: SW1311/8270 Units: mg/L
Run ID: GCMS3_981117A Analysis Date: 11/17/98 7:23:00 PM Prep Date: 11/6/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	0.01							
2,4,5-Trichlorophenol	ND	0.01							
2,4,6-Trichlorophenol	ND	0.01							
2,4-Dinitrotoluene	ND	0.01							
2-Methylphenol	ND	0.01							
3&4-Methylphenol	ND	0.01							
Hexachlorobenzene	ND	0.01							
Hexachlorobutadiene	ND	0.01							
Hexachloroethane	ND	0.01							
Nitrobenzene	ND	0.01							
Pentachlorophenol	ND	0.01							
Pyridine	ND	0.01							

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

DHL Analytical

Date: 18-Nov-98

CLIENT: SMITH INTERNATIONAL
Work Order: 9810105
Project: SD & C Farmington, NM

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9810117-01E DUP Batch ID: TSS_W-11/03/98 Test Code: E160.2 Units: mg/L
Run ID: WC_981103B Analysis Date: 11/3/98 4:00:00 PM Prep Date:

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	42	5	0.	0.0%	0	0	6.9%	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

1 of 1

DHL Analytical

Date: 18-Nov-98

CLIENT: SMITH INTERNATIONAL

Work Order: 9810105

Project: SD & C Farmington, NM

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9810105-01B MS Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
Run ID: ICP_981104A Analysis Date: 11/4/98 4:11:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1.054	0.016	1	105.4%	80	120			
Cadmium	0.981	0.0029	1	98.1%	80	120			
Chromium	0.8832	0.012	1	88.3%	80	120			
Lead	0.9112	0.014	1	85.4%	80	120			
Selenium	1.119	0.013	1	111.9%	80	120			
Silver	1.119	0.0072	1	111.9%	80	120			

Sample ID: 9810105-01B MS Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
Run ID: ICP_981104A Analysis Date: 11/4/98 4:39:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	3.271	0.0065	1	126.1%	80	120			S

Sample ID: 9810105-01B MSD Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
Run ID: ICP_981104A Analysis Date: 11/4/98 4:19:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1.052	0.016	1	105.2%	80	120	0.2%	15	
Cadmium	0.9785	0.0029	1	97.9%	80	120	0.3%	15	
Chromium	0.883	0.012	1	88.3%	80	120	0.0%	15	
Lead	0.928	0.014	1	87.1%	80	120	1.8%	15	
Selenium	1.122	0.013	1	112.2%	80	120	0.3%	15	
Silver	1.08	0.0072	1	108.0%	80	120	3.6%	15	

Sample ID: 9810105-01B MSD Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
Run ID: ICP_981104A Analysis Date: 11/4/98 4:51:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	3.268	0.0065	1	125.8%	80	120	0.1%	15	S

Sample ID: 9811001-01A MS Batch ID: 2255 Test Code: SW8260B Units: µg/L
Run ID: GCMS2_981104A Analysis Date: 11/4/98 8:16:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.38	5	50	104.8%	75	125			
Benzene	50.28	5	50	100.6%	75	125			
Chlorobenzene	52.91	5	50	105.8%	75	125			
Toluene	48.03	5	50	96.1%	75	125			
Trichloroethene	52.02	5	50	104.0%	75	125			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

1 of 2

CLIENT: SMITH INTERNATIONAL
Work Order: 9810105
Project: SD & C Farmington, NM

QC SUMMARY REPORT

Sample Matrix Spike Duplicate

Sample ID: 9811001-01A MSD Batch ID: 2255 Test Code: SW8260B Units: µg/L
Run ID: GCMS2_981104A Analysis Date: 11/4/98 8:43:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	51.53	5	50	103.1%	75	125	1.6%	20	
Benzene	49.4	5	50	98.8%	75	125	1.8%	20	
Chlorobenzene	52.41	5	50	104.8%	75	125	0.9%	20	
Toluene	46.94	5	50	93.9%	75	125	2.3%	20	
Trichloroethene	51.32	5	50	102.6%	75	125	1.4%	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
 Work Order: 9810105
 Project: SD & C Farmington, NM

QC SUMMARY REPORT
 Laboratory Control Spike - generic

Sample ID: LCS-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 3:37:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1104	16	1000	110.4%	80	120			
Barium	1079	1.3	1000	107.9%	80	120			
Cadmium	1077	2.9	1000	107.7%	80	120			
Chromium	1034	12	1000	103.4%	80	120			
Lead	1093	14	1000	109.3%	80	120			
Selenium	1163	13	1000	116.3%	80	120			
Silver	1139	7.2	1000	113.9%	80	120			

Sample ID: LCSD-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 3:45:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1122	16	1000	112.2%	80	120	1.6%	15	
Barium	1093	1.3	1000	109.3%	80	120	1.3%	15	
Cadmium	1098	2.9	1000	109.8%	80	120	2.0%	15	
Chromium	1077	12	1000	107.7%	80	120	4.1%	15	
Lead	1094	14	1000	109.4%	80	120	0.1%	15	
Selenium	1171	13	1000	117.1%	80	120	0.6%	15	

Sample ID: LCSD-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 3:55:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	1118	7.2	1000	111.8%	80	120	1.8%	15	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
 Work Order: 9810105
 Project: SD & C Farmington, NM

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-2255 Batch ID: 2255 Test Code: SW8260B Units: µg/L
 Run ID: GCMS2_981104A Analysis Date: 11/4/98 4:14:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.05	5	50	104.1%	75	125			
1,2-Dichloroethane	53.01	5	50	106.0%	75	125			
1,4-Dichlorobenzene	52.44	5	50	104.9%	75	125			
2-Butanone	182	50	200	91.0%	50	150			
Benzene	52.37	5	50	104.7%	75	125			
Carbon tetrachloride	54	5	50	108.0%	75	125			
Chlorobenzene	53.91	5	50	107.8%	75	125			
Chloroform	51.56	5	50	103.1%	75	125			
Tetrachloroethene	53.61	5	50	107.2%	75	125			
Trichloroethene	54.56	5	50	109.1%	75	125			
Vinyl chloride	58.02	5	50	116.0%	75	125			

Sample ID: LCS-2256 Batch ID: 2256 Test Code: SW1311/7470 Units: mg/L
 Run ID: CVAA_981104A Analysis Date: 11/4/98 1:10:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	4.666	0.02	5	93.3%	77	120			

Sample ID: LCSD-2256 Batch ID: 2256 Test Code: SW1311/7470 Units: mg/L
 Run ID: CVAA_981104A Analysis Date: 11/4/98 1:10:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	4.373	0.02	5	87.5%	77	120	6.5%	15	

Sample ID: LCS-2270 Batch ID: 2270 Test Code: SW1311/8270 Units: mg/L
 Run ID: GCMS3_981117A Analysis Date: 11/17/98 6:50:00 PM Prep Date: 11/6/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	0.03	0.01	0.04	75.0%	40	140			
2,4,5-Trichlorophenol	0.0308	0.01	0.04	77.0%	40	140			
2,4,6-Trichlorophenol	0.0338	0.01	0.04	84.5%	40	140			
2,4-Dinitrotoluene	0.018	0.01	0.04	45.0%	40	140			
2-Methylphenol	0.0288	0.01	0.04	72.0%	40	140			
3&4-Methylphenol	0.0664	0.01	0.08	83.0%	40	140			
Hexachlorobenzene	0.0348	0.01	0.04	87.0%	40	140			
Hexachlorobutadiene	0.0332	0.01	0.04	83.0%	40	140			
Hexachloroethane	0.0244	0.01	0.04	61.0%	40	140			
Nitrobenzene	0.0336	0.01	0.04	84.0%	40	140			
Pentachlorophenol	0.0412	0.01	0.04	103.0%	40	140			
Pyridine	0.0474	0.01	0.04	118.5%	40	140			

Qualifiers: ND - Not Detected at the Reporting Limit R - RPD outside accepted recovery limits
 J - Analyte detected below quantitation limits B - Analyte detected in the associated Method Blank
 S - Spike Recovery outside accepted recovery limits

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
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District Office

Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Foust 2-17-99 15:40</i>	4. Generator <i>U.S. Oil</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>White Mesa Cement</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>U.S. Oil</i>
7. Location of Material (Street Address or ULSTR)	8. State <i>Utah. Navajo Nation</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:

*Oil stained soil generated during clean up of spills and leaks
in crude oil gathering system.
Navajo Nation letter attached.*

RECEIVED
MAR - 3 1999

Never Haunted
OIL CON. DIV.
DIST. 3

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

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 3-3-99
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. Foust* TITLE: Geologist DATE: 3/3/99
APPROVED BY: *Ernie Busch* TITLE: Geologist DATE: 3/3/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: US Oil & Gas, Inc. P.O. Box 270 Dolores, CO 81323	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): White Mesa Unit T 41 and 42 S R 24 E San Juan County, Utah <i>Attach list of originating sites as appropriate</i>	Location of the Waste (Street address &/or ULSTR): White Mesa Unit 106 Battery Sec 2 NW NE T 42 S R 24 E San Juan County, Utah
4. Source and Description of Waste Oil stained dirt from flowline leaks within tank batteries and from wells within the White Mesa Unit.	

I, Pat Woosley representative for:
US Oil & Gas, Inc. (Print Name)

do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Pat Woosley

Title: Vice President

Date: 2/19/99



THE NAVAJO NATION

ENVIRONMENTAL PROTECTION AGENCY
P.O. Box 339 Window Rock, Arizona 86515



"Protecting Mother Earth"

(520) 871-7692

February 11, 1999

Pat Woosley, U.S. Oil, Inc
P.O. Box 270
Dolores, Colorado 81323

RE: Disposal and Transport of the petroleum contaminated soils located at the "A" Tank Battery in Section 28 T41R24E and "106" Tank Battery in Section 28, T42SR24E, San Juan County, Utah to Landfarm in Hilltop, NM (NMOCD approved)

Dear Mr. Woosley:

Our office has received and reviewed your letter December 9, 1998 with the proposed plan to transport and dispose of the petroleum contaminated soils located at the "A" Tank Battery in Section 28 T41R24E and "106" Tank Battery in Section 28, T42SR24E, San Juan County, Utah to an New Mexico Oil Commission Division approved landfarm in Hilltop, NM.

The recommendation by your consultant, Envirotech, Inc, to obtain soil samples, analyze samples and properly dispose of at approved landfarm facility is acknowledged and these samples should be analyzed for Total Petroleum Hydrocarbons using USEPA Method 8015. The priority needs to be the petroleum contaminated soils on your tank batteries located near Sahzie Creek in order to prevent the potential for a release of oil to the waterway. A sampling report needs to be submitted to our office with the analysis report and map diagram of where the samples were obtained on the site. Also, please inform our office of your scheduled time and date, so my staff can monitor and document the excavation, removal and transport of the petroleum contaminated soils to an approved facility. The soil and other waste material may not be returned to the Navajo Nation after removal from your facility. A closure report with final disposal manifest and copy of landfarm permit needs to be sent to our office for the file. This letter does not exclude you from following existing applicable environmental codes and statutes, nor does this release you from any liability in excavating, transporting and disposing of the petroleum contaminated soils. If you should have any questions, please contact Michele Morris of my staff at (520) 871-7808.

Sincerely,

Lewis E. Tutt, Acting Executive Director
Navajo Nation Environmental Protection Agency

cc: Michele Morris, NNEPA, UST/AST Program

Ronnie Ben, NNEPA, NPDES Program

Michele Keddy, NNEPA, Ranger

Steve Austin, NNEPA, Water Quality Program

NAVJO NATION ENVIRONMENTAL PROTECTION AGENCY - Underground/Aboveground Storage Tank Program

Navajo Nation Environmental Protection Agency

Jeremy Johnstone, US EPA-Region IX, CWA Compliance Office

Alar Zarnon, Navajo Minerals Department

Unda Taylor, BIA, Shiprock Agency

P.O. BOX 339 WINDOW ROCK, ARIZONA PH# (520) 871-7808/7692

FAX# (520) 871-7599 TOLL FREE# 1-888-642-7692

email: lela@navajo.gov

EMAIL: MORRIS@NNEPA@NNA.NC

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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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Don't Forget 2-17-99 15:40	4. Generator U.S. Oil
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		5. Originating Site WHITEHOUSE UNIT
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401		6. Transporter U.S. Oil
7. Location of Material (Street Address or ULSTR)		8. State Utah - Navajo Nat.
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" Barreter TX 18425 RZ4E San Juan County Utah

BRIEF DESCRIPTION OF MATERIAL:

Oil stained dirt generated during clean up of various
spills & leaks on crude oil gathering system
Navajo Nation Letter attached

RECEIVED
MAR - 3 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) 76 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 3-3-99
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. Kent TITLE: Geologist DATE: 3/3/99

APPROVED BY: Ernie Busch TITLE: Geologist DATE: 3/3/99

RECEIVED FEB 25 1999

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: US Oil & Gas, Inc. P.O. Box 270 Dolores, CO 81323	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): White Mesa Unit T 41 and 42 S R 24 E San Juan County, Utah <i>Attach list of originating sites as appropriate</i>	Location of the Waste (Street address &/or ULSTR): White Mesa Unit "A" Battery San Juan County, Utah
4. Source and Description of Waste Oil stained dirt from flowline leaks within tank batterys and from wells within the White Mesa Unit.	

I, Pat Woosley representative for:
(Print Name)

US Oil & Gas, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature):

Pat Woosley
Vice President

Title:

Date:

2/19/99



THE NAVAJO NATION

ENVIRONMENTAL PROTECTION AGENCY
P.O. Box 339 Window Rock, Arizona 86515



"Protecting Mother Earth"

(520) 871-7692

February 11, 1999

Pat Woosley, U.S. Oil, Inc
P.O. Box 270
Dolores, Colorado 81323

RE: Disposal and Transport of the petroleum contaminated soils located at the "A" Tank Battery in Section 28 T41R24E and "106" Tank Battery in Section 28, T42SR24E, San Juan County, Utah to Landfarm in Hilltop, NM (NMOCD approved)

Dear Mr. Woosley:

Our office has received and reviewed your letter December 9, 1998 with the proposed plan to transport and dispose of the petroleum contaminated soils located at the "A" Tank Battery in Section 28 T41R24E and "106" Tank Battery in Section 28, T42SR24E, San Juan County, Utah to an New Mexico Oil Commission Division approved landfarm in Hilltop, NM.

The recommendation by your consultant, Envirotech, Inc, to obtain soil samples, analyze samples and properly dispose of at approved landfarm facility is acknowledged and these samples should be analyzed for Total Petroleum Hydrocarbons using USEPA Method 8015. The priority need is to the petroleum contaminated soils on your tank batteries located near Sahzie Creek in order to prevent the potential for a release of oil to the waterway. A sampling report needs to be submitted to our office with the analysis report and map diagram of where the samples were obtained on the site. Also, please inform our office of your scheduled time and date, so my staff can monitor and document the excavation, removal and transport of the petroleum contaminated soils to an approved facility. The soil and other waste material may not be returned to the Navajo Nation after removal from your facility. A closure report with final disposal manifest and copy of landfarm permit needs to be sent to our office for the file. This letter does not exclude you from following existing applicable environmental codes and statutes, nor does this release you from any liability in excavating, transporting and disposing of the petroleum contaminated soils. If you should have any questions, please contact Michele Morris of my staff at (520) 871-7808.

Sincerely,

Lewis E. Tutt, Acting Executive Director
Navajo Nation Environmental Protection Agency

cc: Michele Morris, NNEPA, UST/AST Program
Ronnie Ben, NNEPA, NPDES Program
Michelle Kadoity, NNEPA, Ranger

Steve Austin, NNEPA, Water Quality Program

Michele Morris, NNEPA, UST/AST Program

Jerome Johnstone, US EPA Region IX, CWA Compliance Office

Andre Carter, Navajo Minerals Department

Uda Taylor, BIA, Shiprock Agency

P.O. BOX 339 WINDOW ROCK, ARIZONA PH# (520) 871-7808/7692

FAX# (520) 871-7699 TOLL FREE# 1-888-642-7692

email: michele@nnepa.navajo.gov

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NAVAJO NATION ENVIRONMENTAL PROTECTION AGENCY - Underground/Aboveground Storage Tank Program

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Hobbs, NM 88241-1980
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811 S. First
Artesia, NM 88210
District III - (505) 334-6178
Rio Brazos Road
Farmington, NM 87410
District IV - (505) 827-7131

Energy I

New Mexico
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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Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <i>Dennis Faust</i>	4. Generator <i>Great Western Drilling</i>
Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <i>Bow Federal IE</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>Fuller Pipeline</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>Sec 13, T26N, R8W, S5. County N.M.</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:

BS&W generated @ Credo oil Battery during cleaning for Tank repair.

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DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 35 bbls cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 2-23-99
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 Faust* TITLE: Geologist DATE: 3/3/99
APPROVED BY: *Terrie Brown* TITLE: Geologist DATE: 3/3/99

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OIL CON. DIV.
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CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Great Western Drilling Co. 7415 E. Main Farmington, NM.	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): BOND FEDERAL IE SEC 13, T26N, R8W SAN JUAN County, NM. Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste BS&W AT Crude oil Battery: Generated when Tank cleaned for repairs	

I, John B. Keeling representative for:
(Print Name)
Great Western Drilling Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): John B. Keeling
Title: Dist Prod & Orig Supervisor
Date: 2-22-99

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

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Env. JN: 99005-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator NMOCB 5. Originating Site Paramount Aztec Total #7 6. Transporter Envirotech 8. State New Mexico
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	7. Location of Material (Street Address or ULSTR) "O" Sec 20, T29N, R13W, S3C, 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 solids generated during demolition of injection station Tank Battery.

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DIST. 3

Estimated Volume 20 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: 2-22-99
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: 3/3/99
APPROVED BY: Eric Bush TITLE: Geologist DATE: 3/3/99

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OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: NHOC 1000 Rio Brazos Rd Aztec, NM. 87410	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): AZTEC Total Unit #7 Injection Station Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): "0" Sec 20, T29N, R 3W Sara Juan County, NM
4. Source and Description of Waste Petroleum Hydrocarbon Solids generated during demolition of former Tank battery @ injection station	

I, Denny Faust representative for:
(Print Name)
New Mexico Oil Conservation Division do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Denny Faust
Title: Environmental Geologist
Date: February 23, 1999

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

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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Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Denny Faust 2.17.99 15:46	4. Generator WFS.
2. Management Facility Destination	Envirotech Soil Remediation Facility Landfarm #2	5. Originating Site Horizontal Soil Bore.
3. Address of Facility Operator	5796 US Highway 64 Farmington, NM 87401	6. Transporter TBA
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.		16" line crossing @ Hwy 64 & San Juan River.

BRIEF DESCRIPTION OF MATERIAL:

Soil / mud w/ 5% Bentonite From a Horizontal boring at the San Juan River & Hwy 64.

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FEB 25 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 300 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: 2.17.99
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: 2/26/99
APPROVED BY: Ernie Burch TITLE: Geologist DATE: 2/26/99

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FEB 25 1999

OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS

Tijeras District

1. Generator Name and Address: <u>Williams Field Service</u> <u>190 CR 4980</u> <u>BLOOMFIELD N.M.</u>	2. Destination Name: <u>Envirotech Soil Remediation Facility</u> <u>Landfarm #2</u> <u>Hilltop, New Mexico</u>
3. Originating Site (name): <u>Hwy 64 and San Juan River Crossing</u> <u>2 miles east of Hwy 64.</u> <u>Bloomfield New Mexico</u> <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste <u>Soil water & bentonite gel from soil Boring @ Hwy 64 &</u> <u>San Juan River crossing</u>	

I, CHARLES E. JONES representative for:
(Print Name)

WILLIAMS FIELD SERVICE do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature):

Charles E Jones

Title:

Project Manager

Date:

2-17-98

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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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Deny Force 2-16-99 11:30 a.m.</i>	4. Generator <u>EPFS</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Argo #1E</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>PSB</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:

Soil Contaminated w/ Heavy Paraffins & produced water @ cleanup of a live brack

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FEB 18 1993
OIL CON. DIV.
DIST. 3

Estimated Volume 40 cy Known Volume (to be entered by the operator at the end of the haul) 10cy cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-17-99
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. Feunt TITLE: Geologist DATE: 2/19/99
APPROVED BY: Eric B. Buel TITLE: Geologist DATE: 2/19/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Argo #1E natural gas well	Location of Waste(Street address &/or ULSTR): Block N, Section 18, T27N, R10W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soils contaminated with heavy paraffin and produced water.	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: February 16, 1999

Box 1980
Albuquerque, NM 88241-1980
Tel: (505) 748-1283
Fax: (505) 334-6178
Rio Brazos Road
Santa Fe, NM 87410
Tel: (505) 827-7131

Energy N

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

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FEB 1 1998
Environmental Bureau
Oil Conservation Division
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>B.J. Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>Truck Accident</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sullivan Rd extension in Council Bluffs Hwy 4 Sec 28 T29N R9W SJC 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:

Clean up of petroleum hydrocarbon contaminated soil @ the scene of a truck accident, (used oil, hydraulic oil & glycol-antifreeze).

TCLP Metals & RCRA-RET Attached.

Soil cleaned up from roadside 12-23-98 Transported to LFZ Unit 5 & 12

Transferred to LFZ Unit 5 & 12 AFTER TCLP Metals & RCRA Cleaned (lab w/ HAZ concentrations below maximum allowable limits).

12-23-98 11424 LFZ Unit 5 & 12 (Holding pending results) 12cy.

1-25-99 Material Transfer log LFZ Unit 5 & 12 12cy

Estimated Volume 12 cy cy Known Volume (to be entered by the operator at the end of the haul) 12 cy cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-8-99
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. Feunt TITLE: Geologist DATE: 2/17/99

APPROVED BY: Martyn J. Philp TITLE: Env Geologist DATE: 2/17/99

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator B.J. Services
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site Truck Accident 12-28-98
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5 Sullivan Rd extension in Council Bluffs NW 1/4 Sec 28 T29N R9W S3C 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:

Clean up of petroleum hydrocarbon contaminated soil @ the scene of a truck accident, (used oil, hydraulic oil & glycol-antifreeze).

TCLP Metals & RCRA RES Attached.

Soil cleaned up from roadside 12-28-98 Transported to LFZ units 5 & 12
Transported to LFZ units 5 & 12 AFTER TCLP Metals & RCRA Cleaned (lab. w/ HAZ concentrations below maximum allowable limits).

12-23-98 11424 LFZ units 5 & 12 (Holding pending results) 12 cy.
1-25-99 Material Transfer log LFZ units 5 & 12 12 cy

Estimated Volume 12 cy cy Known Volume (to be entered by the operator at the end of the haul) 12 cy cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-8-99
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. Zent TITLE: Geologist DATE: 2/11/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: B J. Services 3250 Southside River Rd Farmington, N.M.	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Truck Accident @ Sunset Creek Sullivan Rd & Cañon Largo <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): NW 4, Sec 28, T29N, R9W. San Juan County, New Mexico
4. Source and Description of Waste Cleanup of petroleum hydrocarbon liquids spilled at a Truck accident	

I, Dale Harrison _____ representative for:
 (Print Name)
B.J. Services _____ do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
 analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

<input checked="" type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Chain of Custody	<input checked="" type="checkbox"/> Other (description): RCRA RCI TCLP Metals.
---	--

Name (Original Signature): Dale Harrison

Title: _____

Date: 2-8-99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	B. J. Services	Project #:	95026-03
Sample ID:	Stockpile Composite	Date Reported:	01-05-99
Lab ID#:	E441	Date Sampled:	12-23-98
Sample Matrix:	Soil	Date Received:	12-24-98
Preservative:	Cool	Date Analyzed:	01-05-99
Condition:	Cool and Intact	Chain of Custody:	6487

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

IGNITABILITY:	Negative	
CORROSIVITY:	Negative	pH = 7.05
REACTIVITY:	Negative	

RCRA Hazardous Waste Criteria

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


IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
---------------	---

CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	--

REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)
-------------	--

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

Comments: Truck Accident 5 miles S. of Sullivan Rd.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	B. J. Services	Project #:	95026-03
Sample ID:	Stockpile Composite	Date Reported:	01-12-99
Laboratory Number:	E441	Date Sampled:	12-23-98
Chain of Custody:	6487	Date Received:	12-24-98
Sample Matrix:	Soil	Date Analyzed:	01-11-99
Preservative:	Cool	Date Extracted:	01-05-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	0.563	0.001	21
Cadmium	0.0085	0.0001	0.11
Chromium	0.0015	0.0001	0.60
Lead	0.0428	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	0.0522	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

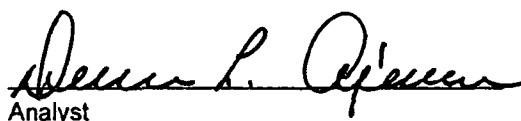
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

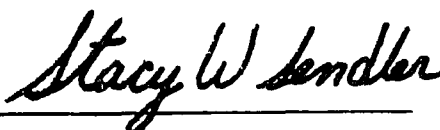
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Truck Accident 5 miles S. of Sullivan Rd.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-11-TCM QA/QC	Date Reported:	01-12-99
Laboratory Number:	E446	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	01-11-99
Condition:	N/A	Date Extracted:	N/A

Blank & Background Conc (mg/L)	Blank	Background	Sample	Sample	Sample	Sample	Sample
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	2.38	2.38	0.2%	0% - 30%
Cadmium	ND	ND	0.0001	0.0027	0.0026	3.7%	0% - 30%
Chromium	ND	ND	0.0001	0.1255	0.1251	0.0%	0% - 30%
Lead	ND	ND	0.0001	0.0815	0.0819	0.5%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Arsenic	0.1000	ND	0.0999	99.9%	80% - 120%
Barium	1.000	2.38	3.37	99.7%	80% - 120%
Cadmium	0.0500	0.0027	0.0526	99.8%	80% - 120%
Chromium	0.0500	0.1255	0.1752	99.8%	80% - 120%
Lead	0.1000	0.0815	0.181	99.9%	80% - 120%
Mercury	0.0250	ND	0.0249	99.6%	80% - 120%
Selenium	0.1000	ND	0.0998	99.8%	80% - 120%
Silver	0.0500	ND	0.0498	99.6%	80% - 120%

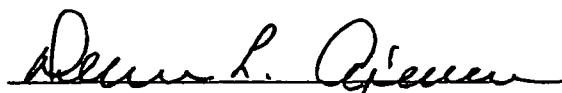
ND - Parameter not detected at the stated detection limit.


References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E441, E446, E458 and E479 - E480.


Analyst


Review

CHAIN OF CUSTODY RECORD

6487

Client / Project Name BJ. Services			Project Location Truck Accident 5 mile S. of Sullivan Rd.		ANALYSIS / PARAMETERS										
Sampler: Sam Ray Jr			Client No. 95026-03		No. of Containers 1	TELP ✓	Metals ✓	RCI ✓					Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix											
Stockpile Composite	12.23.98	17:15	E441	Soil											
Relinquished by: (Signature) [Signature]			Date 12.24.98	Time 9:00	Received by: (Signature) [Signature]			Date 12.24.98	Time 9:00						
Relinquished by: (Signature)					Received by: (Signature)										
Relinquished by: (Signature)					Received by: (Signature)										
<div style="text-align: center;"> ENVIROTECH INC. <hr/> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615 </div>												Sample Receipt			
													Y	N	N/A
												Received Intact	✓		
												Cool - Ice/Blue Ice	✓		

Office I - (505) 393-6161
P.O. Box 1980
Albuquerque, NM 87103-1980
Office II - (505) 748-1283
1st Floor
Albuquerque, NM 88210
Office III - (505) 334-6178
Rio Brazos Road
Albuquerque, NM 87410
Office IV - (505) 827-7131

Energy N.

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

Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

FEB 1 1998

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>upon completion of TCLP</i>	4. Generator <i>Halliburton E.S.</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Main Yard</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>Enviro Tech</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.	<i>4109 E Main St. Farmington, New Mexico.</i>

BRIEF DESCRIPTION OF MATERIAL:

*Wash bay solids
new TCLP attached.*

RECEIVED
FEB 18 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 80 cy Known Volume (to be entered by the operator at the end of the haul) 92 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 2-8-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

[Continuation]

(This space for State Use)

APPROVED BY: *Gerry G. Faut* TITLE: Geologist DATE: 2/12/99
APPROVED BY: *Martyn J. Kelly* TITLE: Env Geologist DATE: 2/17/99

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: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>upon completion of TCLP</i>	4. Generator <u>Halliburton E.S.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Main Yard</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>Enviro Tech</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>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.

Continuation
New TCLP

Estimated Volume 80 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-8-99
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. Fout TITLE: Geologist DATE: 2/11/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: HALLIBURTON Energy Services 4109 E. Main St. Farmington N.M. 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): S.A.A.	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste WASH BAR SOLIDS	

I, Ed SHANNON representative for:
(Print Name)
HALLIBURTON ENERGY SERVICES do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

Name (Original Signature): Ed Shannon

Title: MAINTENANCE SUPER ✓

Date: 2-8-99

ENVIRO TECH 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:	01-19-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-19-99
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

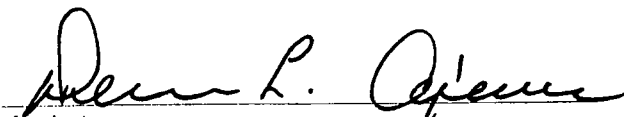
ND - Parameter not detected at the stated detection limit.


QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	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: East Main, Farmington.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 28, 1999

Mr. Ed Shannon
Halliburton Energy Services, Inc.
4109 East Main Street
Farmington, New Mexico 87401

Project No.: 92132


Dear Mr. Shannon,

Enclosed are the analytical results for the sample collected from the location designated as "East Main, Farmington-Wash Bay Solids". One soil sample was collected by Envirotech personnel on 01/13/99, and delivered to the Envirotech laboratory on 01/13/99 for Hazardous Waste Characterization analysis (Volatiles, Semi-Volatiles, Trace Metals, Corrosivity, Ignitability, and Reactivity).

The sample was documented on Envirotech Chain of Custody No. 6498 and assigned Laboratory No. E499 for tracking purposes. The sample was extracted on 01/18/99 and analyzed 01/18/99 through 01/27/99 using USEPA or equivalent methods.

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
Environmental Scientist/Laboratory Manager

enc.

SWS/sws

92132/tclp0199.lb1

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-15-99
Lab ID#:	E499	Date Sampled:	01-13-99
Sample Matrix:	Soil	Date Received:	01-13-99
Preservative:	Cool	Date Analyzed:	01-15-99
Condition:	Cool and Intact	Chain of Custody:	6498

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.98

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

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

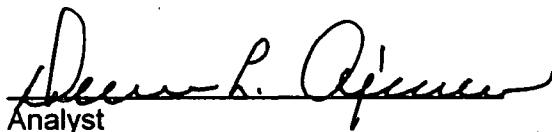
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
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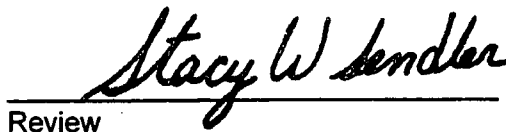
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	--

REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)
-------------	---

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

Comments: East Main, Farmington.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.123	0.020	200
p,m-Cresol	0.054	0.040	200
2,4,6-Trichlorophenol	0.060	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	0.556	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%

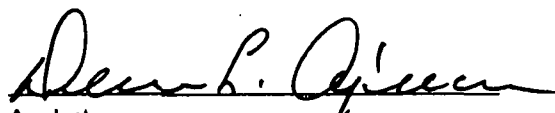
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: East Main, Farmington.


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:	01-22-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	0.054	0.020	5.0
Hexachloroethane	0.353	0.020	3.0
Nitrobenzene	0.202	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

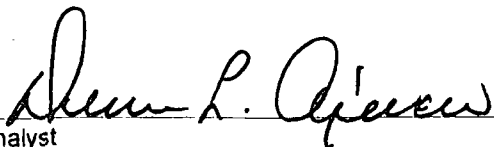
ND - Parameter not detected at the stated detection limit.

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: East Main, Farmington.


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:	01-23-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Analyzed:	01-23-99
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	1.53	0.001	21
Cadmium	0.0329	0.0001	0.11
Chromium	0.0301	0.0001	0.60
Lead	0.0309	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

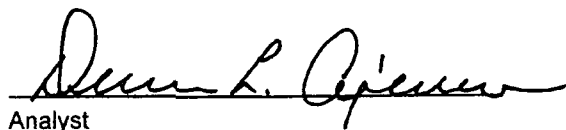
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: East Main, Farmington.


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-19-99
Laboratory Number:	01-19-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
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

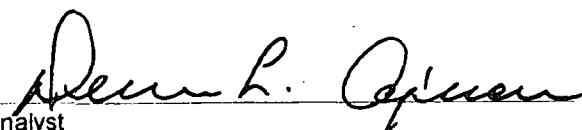
ND - Parameter not detected at the stated detection limit.


QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	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 E499 and E503.


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:	01-19-99
Laboratory Number:	01-18-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
Condition:	N/A	Date Extracted:	01-18-99
		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

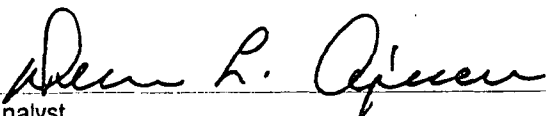
ND - Parameter not detected at the stated detection limit.


QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	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 samples E499 and E503.


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 Duplicate
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

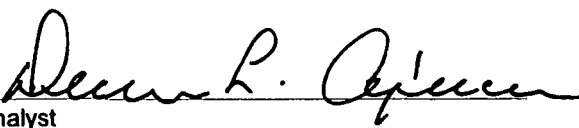
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

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 samples E499 and E503.


Analyst


Review

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

Client: QA/QC
 Sample ID: Matrix Spike
 Laboratory Number: E499
 Sample Matrix: TCLP Extract
 Analysis Requested: TCLP
 Condition: N/A

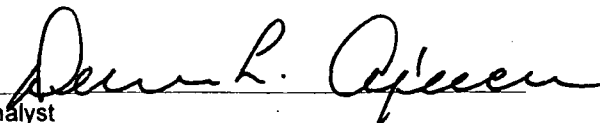
Project #: N/A
 Date Reported: 01-19-99
 Date Sampled: N/A
 Date Received: N/A
 Date Analyzed: 01-19-99
 Date Extracted: N/A


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	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 E499 and E503.


 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:	01-21-99
Laboratory Number:	01-21-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-21-99
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	99 %

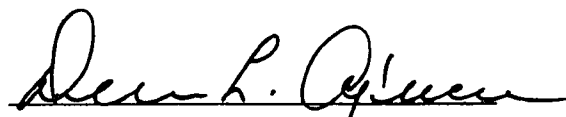
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

EPA METHOD 8040

PHENOLS

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-21-99
Laboratory Number:	01-18-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		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%

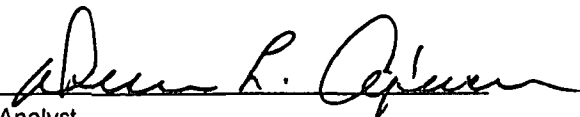
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

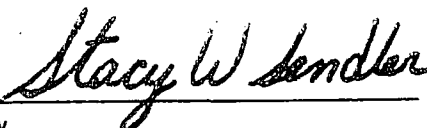
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E499 and E503.


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:	01-21-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.123	0.122	0.020	1.0%
p,m-Cresol	0.054	0.053	0.040	2.0%
2,4,6-Trichlorophenol	0.060	0.059	0.020	1.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	0.556	0.551	0.020	0.8%

ND - Parameter not detected at the stated detection limit.

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

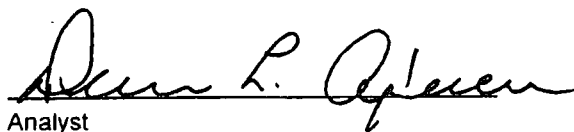
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

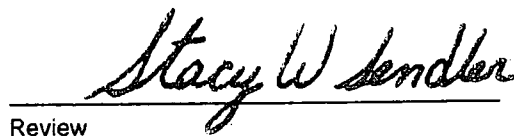
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 E499 and E503.


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:	01-22-99
Laboratory Number:	01-21-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:	01-21-99
		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

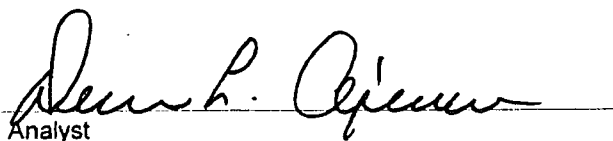
ND - Parameter not detected at the stated detection limit.

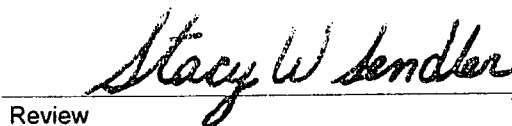
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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: QA/QC for samples E499 and E503.


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: 01-18-TBN-MB
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 01-22-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-18-99
Date Analyzed: 01-21-99
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

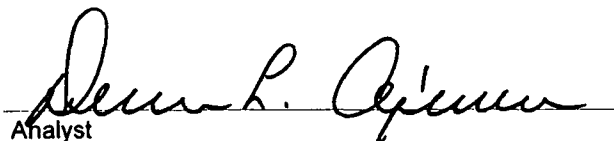
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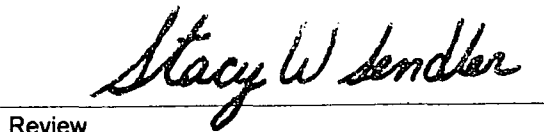
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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 E499 and E503.


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:	01-22-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	01-18-99
Condition:	N/A	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	0.054	0.053	1.0%	0.020
Hexachloroethane	0.353	0.349	1.0%	0.020
Nitrobenzene	0.202	0.200	0.9%	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.

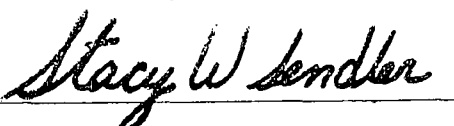
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 E499 and E503.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-23-TCM QA/QC	Date Reported:	01-23-99
Laboratory Number:	E449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	01-23-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% DIT	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	1.53	1.53	0.0%	0% - 30%
Cadmium	ND	ND	0.0001	0.0329	0.0324	1.5%	0% - 30%
Chromium	ND	ND	0.0001	0.0301	0.0300	0.3%	0% - 30%
Lead	ND	ND	0.0001	0.0309	0.0307	0.6%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Sample Conc. (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% DIT	Acceptance Range
Arsenic	0.1000	ND	0.0997	99.7%		80% - 120%
Barium	1.000	1.53	2.53	100.0%		80% - 120%
Cadmium	0.0500	0.0329	0.0826	99.6%		80% - 120%
Chromium	0.0500	0.0301	0.0802	100.1%		80% - 120%
Lead	0.1000	0.0309	0.131	99.8%		80% - 120%
Mercury	0.0250	ND	0.0248	99.2%		80% - 120%
Selenium	0.1000	ND	0.0998	99.8%		80% - 120%
Silver	0.0500	ND	0.0499	99.8%		80% - 120%

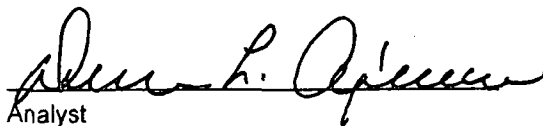
ND - Parameter not detected at the stated detection limit.

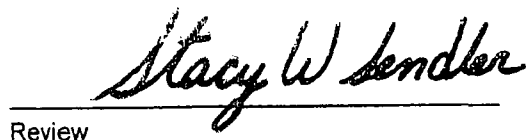
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E499 and E503.


Analyst


Review

CHAIN OF CUSTODY RECORD

6498

Client / Project Name HALLBURTON			Project Location EAST main FARMINGTON		ANALYSIS / PARAMETERS									
Sampler: Mari D. Young			Client No. 92132		No. of Containers 1	TCLP w/o H&P							Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
Whse Box Solids	1/13/99	12:10	E499	Soil										
Relinquished by: (Signature) Mari D. Young			Date 1/13/99	Time 12:30	Received by: (Signature) Christ W. Carter			Date 1-13-99	Time 12:30					
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt			
												Y	N	N/A
											Received Intact	✓		
											Cool - Ice/Blue Ice	✓		

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

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: 705702

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Faust 2-3-99 9:30</i>	4. Generator <u>EPFS</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>LAT 2C-68</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>EPFS</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>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:

condensate contaminated soil
2-4-99 11465 LF2 units T-12 30cy

RECEIVED
FEB - 5 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 1 drum cy Known Volume (to be entered by the operator at the end of the haul) 30 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-4-99
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 Faust TITLE: Geologist DATE: 2/8/99
APPROVED BY: Linda Busch TITLE: DATE:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Lateral 2C-68 Drip Tank Attach list of originating sites as appropriate	Location of Waste(Street address &/or ULSTR): Section 5, T24N, R04W
4. Source and Description of Waste Hydrocarbon contaminated soils from tank overflow	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: February 1, 1999

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

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Plus 1 Copy
to appropriate
District Office

Env JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>EPFS</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Fac. Landfarm #2</i>	5. Originating Site <i>Kutz Separation</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. <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.	<i>S/2 Sack (TZ9W) R11W</i>

BRIEF DESCRIPTION OF MATERIAL:

*Clean up coal fines & oily sludge from Bernard area @
Tank upset*

RECEIVED
FEB - 5 1999

OIL CON. DIV.
DIST. 3

Never Hauled

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: 2-4-989
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. Fent* TITLE: Geologist DATE: 2/8/99

APPROVED BY: *Ernie Bush* TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Kutz Separator	Location of Waste(Street address &/or ULSTR): S/2, Sec. 11, T29N, R11W
Attach list of originating sites as appropriate	
4. Source and Description of Waste Coal fines and oily sludge from natural gas produced from coal seam formations	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: January 26, 1999

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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 2. Management Facility Destination: Envirotech Soil Remediation Facility Landfarm #2 3. Address of Facility Operator: 5796 US 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.	Donner Faust 2-4-99 10:25 4. Generator: EPFS 5. Originating Site: North Gas Com Oil 6. Transporter: Envirotech 8. State: New Mexico SW 4 Sec 8 T29N R2W
--	--

BRIEF DESCRIPTION OF MATERIAL:

Clean up soil contaminated w/ produced hydrocarbons

RECEIVED
FEB - 5 1999

OIL CON. DIV.
DIST. 3

Estimated Volume 40 cy Known Volume (to be entered by the operator at the end of the haul) 348 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-4-99
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: 2/8/99
APPROVED BY: Ernie Busch TITLE: _____ DATE: 3

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Heath Gas Common O #1	Location of Waste(Street address &/or ULSTR): SW/4, Sec. 8, T29N, R9W
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with produced hydrocarbons	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** Oilfield waste **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

 MSDS Information Other (description)
 RCRA Hazardous Waste Analysis
 Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: January 26, 1999

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

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District Office

Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Faust 2-4-99 10:25</i>	4. Generator <i>EPFS.</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Lago Plant</i>
3. Address of Facility Operator <i>5796 US 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. <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 contaminated w/ Triethylene glycol

RECEIVED
FEB - 5 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 130 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 2-4-99
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: 2/8/99
APPROVED BY: *Ernie B.* TITLE: DATE:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Largo Plant	Location of Waste(Street address &/or ULSTR): N/2 of SW/4, Sec. 15, T26N, R7W
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with triethylene glycol	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: January 26, 1999

(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

Energy &

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Faust 2-4-99 10:25</i>	4. Generator <i>EPFS</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Rutz Plant</i>
3. Address of Facility Operator <i>5796 US 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:

*clean up of petroleum hydrocarbon soil - Tank Barn crude products
Dug into old pit.*

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OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 1358 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-4-99
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: 2/8/99
APPROVED BY: Ernie Busch TITLE: DATE: 2

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Kutz Plant	Location of Waste(Street address &/or ULSTR): E/2 of SW/4 Sec. 15, T29N, R12W
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with produced hydrocarbons	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: January 26, 1999

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
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Santa Fe, New Mexico 87505
(505) 827-7131

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Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> <i>Penny Faust 2-4-99 10:25-99</i>	4. Generator <i>EPFS</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Ballard Plant</i>
3. Address of Facility Operator <i>5796 US 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. <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:

Triethelane glycol contaminated soil

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FEB - 5 1999

OIL CON. DIV
DIST. 3

Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) 240X cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 2-4-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: *Penny Faust* TITLE: Geologist DATE: 2/8/99

APPROVED BY: *Carrie Bush* TITLE: DATE:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Ballard Plant	Location of Waste(Street address &/or ULSTR): NE/4 of SE/4 and SE/4 of NE4. Sec. 26, T26N, R9W
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soils contaminated with triethylene glycol	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

X **EXEMPT** Oilfield waste **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

 MSDS Information Other (description)
 RCRA Hazardous Waste Analysis
 Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: January 26, 1999

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
Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

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

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Originated 8/8/95

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Env. JN: 96052

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Donny Foust. 1-27-99 15:30	4. Generator Phillips Petroleum
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	5. Originating Site SJ 29-S 32M
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	6. Transporter Kay
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:

5% diesel drilling mud.

1-27-99 11437 LF2 Blending Facility 160 bbl.
1-28-99 11441 LF2 Blending Facility 80 bbl.
1-30-99 11538 LF2 Blending Facility 15 bbl.
Transferred
2000 w/2/13
LF2 unit 5

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OIL CON. DIV.
DIST. 3

Estimated Volume 250 bbl cy Known Volume (to be entered by the operator at the end of the haul) 255 bbl cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2-2-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Donny Foust TITLE: Geologist DATE: 2/8/99
APPROVED BY: Emilee Bunch TITLE: DATE:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Phillips Petroleum via Key Energy 5325 Hwy 64 - Box 3004 Farmington NM	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): 29.5 #32 m via Rig #18	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste Drill mud & cuttings via Baroid w/ 5% Diesel mix	

I, RA Winters RA Winters representative for:
Phillips Petroleum (Print Name)
 do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

- ☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): RA Winters
 Title: Sp. S&E Spclst.
 Date: 1-27-99

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

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Originated 8/8/95

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to appropriate
District Office

Env. JN: 96052

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Donner Faust 2.2.99 10:00 AM.</i>	4. Generator Phillips Petroleum 5. Originating Site 855 32-8 CDP #1 6. Transporter Cimarron O.S. 8. State New Mexico 7. Location of Material (Street Address or ULSTR) 5796 US Highway 64 Farmington, NM 87401 55. 32-8 - CDP #1
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2 3. Address of Facility Operator 5796 US Highway 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:

Clean oil pigging waste @ overflowed Tank

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OIL CON. DIV.
DIST. 3

Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 2.2.99
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. Feist TITLE: Geologist DATE: 2/8/99
APPROVED BY: Ernie Bush TITLE: DATE:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Phillips Petroleum - 5525 Hwy 64 - Box 8004 505-599-3462 - Farmington NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): 328 #1 CPD (9-8-98) spill Date. Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Lower yard - Phillips Farmingford Facility
4. Source and Description of Waste 4.5 cu yds - soil from overflowed tank of pipeline gathering system "pigging waste"	

I, B. J. Wierwandel representative for: Phillips Petroleum Co. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☐ Other (description):

Name (Original Signature): [Signature]

Title: Sq. Safety & Environmental Spd. St.

Date: 2-1-99

INSPECTION FOR N.O.R.M. CONTAMINATION
PHILLIPS PETROLEUM COMPANYLocation: Phillips Yard Date: 2-1-99Survey Instrument Model: Model 3 Last Calibrated: 5-5-98Item Description: Soil from "digging-vats" spill site of 9-8-98Number of Pieces: 4.5 cu ydsLocation Where Items Originated: 32-8 #1 CPDBackground Reading: 6 uR/hrHighest NORM reading: 6 uR/hrLowest NORM reading: 0 uR/hr

Any samples taken, if so how many: _____

1 containing

Pieces inspected

All

Pieces found to be free of NORM contamination

0

Pieces found to have NORM contamination

Remarks: _____

Inspector: RA WtWhat is final disposition: To ENVIROSEARCHReleased to: Harlan BrownDate: 2-2-99

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

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Oil Conservation Division
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Danny Faust</i> 1-29-99 14:45	4. Generator <i>Western 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 US 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:

Inlet Pit Receiver; Iron Sulfide & clay solids

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OIL CON. DIV
DIST. 3

Estimated Volume 12 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 2-1-99
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: 2/8/99
APPROVED BY: *Ernie Busch* TITLE: DATE:

Dan R. Foster
verbal
1-29-99
14:45

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CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Western Gas Resources P.O. Box 70 Kirtland, NM. 87417	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): 99 Rd. 6500 Kirtland, NM. 87417 San Juan River Plant Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Inlet Pig Receiver - Iron Sulfide & clay solids	

I, Tim Bates representative for:
Western Gas Resources Inc. (Print Name)
do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Tim Bates

Title: Field Supervisor

Date: 1-29-99

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
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2 3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401 7. Location of Material (Street Address or ULSTR) 17-32N-11W	4. Generator Donny Faust 1-28-99 9:08 Coyote Gulch Compressor Station 5. Originating Site E.A.F.S. 6. Transporter PCS 8. State Colorado-Southern Ute
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 Filtration Media

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JAN 28 1999

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: 1-28-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Jerry G. Zent TITLE: Geologist DATE: 1/29/99

APPROVED BY: Eric Bruch TITLE: Geologist DATE: 1/29/99

EXHIBIT "B" to Agreement No. A96-45 Work Request No. EH&S-0223

WORK REQUEST FORM

TO: Envirotech
5796 US Highway 64
Farmington, NM 87401

DATE: 26-Jan-99
LOCATION: Coyote Gulch Plant
CHARGE CODE: EPFS-729615-1700

You are hereby requested to perform the following specified work in connection with the above referenced Agreement between our respective companies, such work to be governed by all of the applicable terms and provisions of said Agreement. Please refer to the above-noted Agreement in all correspondence and billings concerning this work.

COMPANY PERSONNEL: Please send a copy of this Work Request Form to the Material and Contract Management Group in El Paso, TX.

CONTRACTOR: YOU ARE TO ISSUE INVOICES ON A MONTHLY BASIS AS SPECIFIED IN THE REFERENCED AGREEMENT. ALSO, SEND ONE (1) COPY OF THE INVOICE TO THE REQUESTING LOCATION FOR THEIR RECORDS.

FULL DESCRIPTION OF WORK TO BE PERFORMED

(Double-Click to Enter Description)

Dispose of soil contaminated with amine and glycol, and activated carbon amine filter media at the Hilltop, NM landfarm. The wastes will be transported to the landfarm by Philip Services Corp. A Certificate of Waste Status for NMOCD approval is attached.

Estimated Costs: \$ 1,600

EL PASO FIELD SERVICES COMPANY

Signature: David Bays

Print Name: David Bays

Send Invoices To:
El Paso Field Services Company
Attention: Accounts Payable
1001 Louisiana, P. O. Box 2511
Houston, TX 77252

Address: 614 Reilly Ave.

Farmington, NM 87401

Phone No.: (505) 599-2256

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Coyote Gulch Plant	Location of Waste(Street address &/or ULSTR): Southern Ute Reservation – La Plata Co., Colorado
Attach list of originating sites as appropriate	
4. Source and Description of Waste 1. Soils contaminated with triethylene glycol and diethanolamine 2. Activated carbon amine filter media	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: January 26, 1999

JAN-26-1999 15:43

SOUTHRN UTE ENVIRONMENTAL

9705630384

P.01



SOUTHERN UTE INDIAN TRIBE

Tribal Affairs Building

January 26, 1999

Cecil Irby
Philip Services
4000 Monroe Road
Farmington, NM 87401

VIA FACSIMILE: (505) 326-2388

Re: Tribal notification of Transportation of Oil Field Waste
Approximately 20 cubic yards of charcoal media and soil, exempt status
El Paso Field Services, Coyote Gulch Plant, Sec. 17, T32N, R11W

Dear Mr. Irby:

Thank you for notifying the Environmental Programs Division of the Southern Ute Indian Tribe of the transportation of approximately 20 cubic yards of charcoal media and soil from the above referenced site to an approved disposal site in New Mexico. It is our understanding that the exempt waste will be transported to the Envirotech Landfarm located on Highway 44 south of Bloomfield, New Mexico.

Certification may be required by the State of New Mexico Oil Conservation Commission (NMOCD) from your company, the transporter or the generator. Transportation of this waste may be subject to other state and Federal laws.

Sincerely,

A handwritten signature in cursive script, reading "Cheryl L. Wiescamp".

Cheryl L. Wiescamp
Division Head
Environmental Programs

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: 97018

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u> 3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u> 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.	<u>Danny Faust</u> <u>1-21-99</u> <u>13:20</u> 4. Generator <u>Various O&G E&P Companies</u> 5. Originating Site <u>NATCO</u> 6. Transporter <u>Envirotech</u> 8. State <u>New Mexico</u> <u>2855 Southside River Rd Farmington, NM 87401</u>
---	--

BRIEF DESCRIPTION OF MATERIAL:

Continuation of solids generated during cleaning & refurbishing oil & gas production equipment.

RECEIVED
JAN 25 1999

OIL CON. DIV.
DIST. 2

Estimated Volume 9 drums cy Known Volume (to be entered by the operator at the end of the haul) 11 drums cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 1-21-99
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. Kent TITLE: Geologist DATE: 1/25/99
APPROVED BY: Ernie Busch TITLE: Geologist DATE: 7/25/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Natco 2855 Southside River Road Farmington NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Solids generated during cleaning and refurbishing of oil and gas production equipment at Natco's yard.	
Location of the Waste (Street address &/or ULSTR): Hilltop, New Mexico	
4. Source and Description of Waste See attached sheet.	

I, Richard Lambert representative for:
(Print Name)

Natco do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature):

Richard Lambert

Title:

Former / QC

Date:

1/20/99

Page 1



To whom it may concern.

The equipment on the following lists have all been N.O.R.M. tested by a NATCO qualified technician. Upon arrival to our yard. Or by a qualified person for the lease operator.

Thank You

A handwritten signature in black ink, appearing to be "Eric L. Moore", written over a horizontal line.

Eric L. Moore
Q.C. Manager

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Natco 2855 Southside River Road Farmington NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Solids generated during cleaning and refurbishing of oil and gas production equipment at Natco's yard.	
Location of the Waste (Street address &/or ULSTR): Attach list of originating sites as appropriate	
4. Source and Description of Waste See attached sheet.	

I, Richard Lambert representative for: _____
 (Print Name)


Natco do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): 
 Title: FORMAN / QC
 Date: 1/20/99

Page 1



To whom it may concern.

The equipment on the following lists have all been N.O.R.M. tested by a NATCO qualified technician. Upon arrival to our yard. Or by a qualified person for the lease operator.

Thank You

A handwritten signature in dark ink, appearing to be "Eric L. Moore", with a long horizontal line extending to the right.

Eric L. Moore
Q.C. Manager

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Natco 2855 Southside River Road Farmington NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Solids generated during cleaning and refurbishing of oil and gas production equipment at Natco's yard.	
Location of the Waste (Street address &/or ULSTR): Attach list of originating sites as appropriate	
4. Source and Description of Waste See attached sheet.	

I, Richard Lambert (Print Name) representative for:

Natco do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Richard Lambert

Title: FORMAN / QC

Date: _____

Page 1



To whom it may concern.

The equipment on the following lists have all been N.O.R.M. tested by a NATCO qualified technician. Upon arrival to our yard. Or by a qualified person for the lease operator.

Thank You

A handwritten signature in black ink, appearing to read "Eric L. Moore". The signature is stylized with a long horizontal stroke extending to the right.

Eric L. Moore
Q.C. Manager

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
8175. 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

RECEIVED
JAN 14 1999
Environmental Bureau
ED# Conservation Division - 04

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: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Williams Field Service</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Horse Canyon Reboiler</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>W.F.S.</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>N.M.</u>
7. Location of Material (Street Address or ULSTR)	<u>See 26 T 302 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:

Sludge generated During cleanout of glycol reboiler.

TCLP ATTACHED

MSDS Available

RECEIVED
JAN 27 1999
OIL CON. DIV.
DIST. 3

RECEIVED
JAN 12 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 2 bbl cy Known Volume (to be entered by the operator at the end of the haul) 1 drum cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 1-12-99
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: 1/12/99

APPROVED BY: Walter J. Zili TITLE: Env. Geologist DATE: 1-14/99

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

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Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 97050-04

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Williams Field Service Mazamoras Dist.
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Horse Canyon Reboiler
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter W.F.S.
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State NM
7. Location of Material (Street Address or ULSTR)	See 26 T 30N R9W.
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:

Sledge generated During cleanout of glycol reboiler.

TCLP ATTACHED

MSDS Available.

RECEIVED
JAN 12 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 2 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: 1-12-99
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. Fourn TITLE: Geologist DATE: 1/12/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Williams Field Services 295 CHIPETA WAY SALT LAKE CITY, UTAH 84108	2. Destination Name: ENVIROTECH ; LANDFILL #2 5796 U.S. Hwy 64 Farmington, NM. 87401
3. Originating Site (name): Horse Canyon Reclaimer Sec 26 T30N R9W <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste REBOILER SLUDGE	

I, BILL BEEVERS representative for: _____
 (Print Name)
Williams Field Service do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste
 ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☒ MSDS Information
 ☐ Other (description): _____
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

Name (Original Signature): Bill Beever

Title: Depty Spec

Date: 1/12/99



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) 327-7550

NORM SURVEY DATA SHEET

Facility/Location: Horse Canyon Reclaimer Date: 1-7-99

Meter Model: 3007A Serial No.: 9808-238

Detector Type: [] Model 3012 Serial No.: 201-887-7100

[] Model _____ Serial No.: _____

Battery Check [1] Source Check []

Calibration Date: 3-11-98

Source Type: _____

Background Radiation Level: 20 ^{CPM}
microR/hr

Description of Equipment/Material Surveyed: Solid Waste

Item/Material Surveyed (Description, Serial Number, Size Quantity, etc.)	Maximum microR/hr.
<u>Reboiler Sludge</u>	<u>17 CPM</u>
<u>1 55 gal Drum</u>	

Comments: _____

Survey(s) Conducted By: GARY HOWE
(Print Name)
GARY HOWE
(Signature)

TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL CONCENTRATION

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06149
Sample Matrix: Solid

Date Reported: 11/02/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Result	Detection Limit	Regulatory Level	Units
Arsenic.....	<0.061	0.061	5	mg/L
Barium.....	0.80	0.001	100	mg/L
Cadmium.....	<0.008	0.008	1	mg/L
Chromium.....	0.027	0.008	5	mg/L
Lead.....	<0.04	0.04	5	mg/L
Mercury.....	<0.0004	0.0004	0.2	mg/L
Selenium.....	<0.05	0.05	1	mg/L
Sliver.....	<0.03	0.03	5	mg/L

References: Method 1311: Toxicity Characteristic Leaching Procedure,
SW-846 "Test Methods for Evaluating Solid Waste:
Physical/Chemical Methods" 3rd Edition, Final Update III, December, 1996.

Method 3010A: Acid Digestion of Aqueous Samples and Extracts for Total
Metals, SW-846 "Test Methods for Evaluating Solid Waste: Physical/
Chemical Methods" 3rd Edition, Final Update III, December, 1996.

Comments:

Reported By: 

Reviewed: 

VOLATILE ORGANIC TOXICITY CHARACTERISTIC LIST
TCLP Leachate
Method 8260

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06149
Sample Matrix: Solid

Date Reported: 11/03/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Result	Detection Limit	Reporting Limit	Unit
Benzene	ND	0.10	0.5	mg/L
Carbon Tetrachloride	ND	0.10	0.5	mg/L
Chlorobenzene	ND	0.10	100	mg/L
Chloroform	ND	0.10	6.0	mg/L
1,2-Dichloroethane	ND	0.10	7.5	mg/L
1,1-Dichloroethylene	ND	0.10	0.5	mg/L
1,4 Dichlorobenzene	ND	0.10	0.7	mg/L
Methyl Ethyl Ketone (MEK)	0.55	0.10	200	mg/L
Tetrachloroethylene	ND	0.10	0.7	mg/L
Trichloroethylene	ND	0.10	0.5	mg/L
Vinyl chloride	ND	0.10	0.2	mg/L

ND- Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

SEMI-VOLATILE ORGANICS /TCLP
TCLP Leachate
Method 8270

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06149
Sample Matrix: Solid

Date Reported: 11/03/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Result	Reporting Level	Hazardous Limits	Units
Cresol (Total)	ND	1.0	200	mg/L
2,4-Dinitrotoluene	ND	0.10	0.13	mg/L
Hexachlorobenzene	ND	0.10	0.13	mg/L
Hexachlorobutadiene	ND	0.20	0.5	mg/L
Hexachloroethane	ND	0.10	3.0	mg/L
Nitrobenzene	ND	0.50	2.0	mg/L
Pentachlorophenol	ND	0.20	100	mg/L
Pyridine	ND	0.50	5.0	mg/L
2,4,5-Trichlorophenol	ND	0.50	400	mg/L
2,4,6-Trichlorophenol	ND	0.50	2.0	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

TCLP HERBICIDES
TCLP Leachate
Method 8150A

Client: **Williams Field Services**
Project: Horse Canyon Reclaimer
Sample ID: Horse Canyon Reclaimer
Laboratory ID: 0398G06149
Sample Matrix: Solid

Date Reported: 11/03/98
Date Sampled: 10/20/98
Date Received: 10/20/98
Date Analyzed: 11/02/98

Parameter	Result	Reporting Limit	Hazardous Limit	Units
2,4-D	ND	0.01	10	mg/L
2,4,5-TP (Silvex)	ND	0.003	1.0	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

TCLP PESTICIDES
TCLP Leachate
Method 8080A

Client: **Williams Field Services**
Project: **Horse Canyon Reclaimer**
Sample ID: **Horse Canyon Reclaimer**
Laboratory ID: **0398G06149**
Sample Matrix: **Solid**

Date Reported: **11/03/98**
Date Sampled: **10/20/98**
Date Received: **10/20/98**
Date Analyzed: **11/02/98**

Pesticides				
Parameter	Result	Method	Concentration	Units
gamma-BHC (Lindane)	ND	0.01	0.04	mg/L
Chlordane	ND	0.01	0.03	mg/L
Endrin	ND	0.01	0.02	mg/L
Heptachlor	ND	0.005	0.008	mg/L
Heptachlor Epoxide	ND	0.005	0.008	mg/L
Methoxychlor	ND	0.01	10.0	mg/L
Toxaphene	ND	0.01	0.5	mg/L

ND - Analyte not detected at stated detection level.

Reported By: 

Reviewed: 

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
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Submit Original
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to appropriate
District Office

RECEIVED
OIL CON. DIV
DIST. 3
JAN 2000

Env. JN: 94657

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Denny Foust 12.20.99 Time 1:15 PM	4. Generator EPFS
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		5. Originating Site Kutz Plant
3. Address of Facility Operator 5796 US 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.		#133 County Rd. 5569 Farmington, NM. 87401

BRIEF DESCRIPTION OF MATERIAL:

Gravel & dirt contaminated w/ spilled, used scrubber fluids
(hydrocarbons, water & glycol.)

Estimated Volume 5 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12.20.99
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. Foust</u>	TITLE: <u>Geologist</u>	DATE: <u>1/18/00</u>
APPROVED BY: <u>Charlie Herron</u>	TITLE: <u>Deputy Dir. of L&N</u>	DATE: <u>1/18/2000</u>

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Kutz Plant County Road 5569 Number 133 Farmington, NM 87402 <small>Attach list of originating sites as appropriate</small>	
4. Source and Description of Waste Spilled Inlet scrubber liquids (hydrocarbons, water, glycol) mixed with gravel and dirt. Approximately one cubic Yard.	

I, Scott Pope representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): 

Title: Senior Environmental Scientist

Date: 12/20/99

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: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Foost 11.1.99 verbal 9:45</i>	4. Generator <i>EPFS</i>
2. Management Facility Destination <i>Envirotech Soil Remed. Facility Landfarm #2</i>	5. Originating Site <i>Station 2B-3B Angel Peak Site 2</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>Moss Excavating</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:

petroleum hydrocarbon contaminated soil from a leaking condensate tank

RECEIVED
DEC - 2 1999
OIL CON. DIV.
BMT 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: 10.30.99
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><i>Denny Foost</i></u>	TITLE: <u>Geologist</u>	DATE: <u>12/3/99</u>
APPROVED BY: <u><i>Charlie T. Linn</i></u>	TITLE: <u>Field Rep</u>	DATE: <u>12/3/99</u>

Denny Faust
11.1.99
9:45 AM.

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Station 2B-3B (Angel Peak Site 2)	Location of Waste(Street address &/or ULSTR): Unit C - Section 8 - T27N - R10W, San Juan County, NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Hydrocarbon contaminated soil from leaking condensate storage tank	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: October 29, 1999

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

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Env. JN: 98031-05

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Charlie Person 11.27.99 15:00	4. Generator Cross Timbers OPERATING
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2		5. Originating Site Fed Gas Com #551
3. Address of Facility Operator 5796 US 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.		"C" Sec 31, T30N, R12W SJL

BRIEF DESCRIPTION OF MATERIAL:

Condensate Contaminated soil generated during cleanup
of vandalized Tanks.

RECEIVED
DEC - 2 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 200 cy Known Volume (to be entered by the operator at the end of the haul) 304 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12.2.99
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: 12/3/99
APPROVED BY: Charles T. Less TITLE: Field Rep DATE: 12/3/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Cross Timbers Operating Company 6001 Highway 64 Farmington, NM 87401	2. Destination Name: Envirotech, Inc. Soil Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64 Farmington, NM 87401
---	--

3. Originating Site (name): Federal Gas Com H #1 "C" Sec 31 – T30N – R12W San Juan County, NM	Location of the Waste (Street address &/or ULSTR): Attach list of originating sites as appropriate
4. Source and Description of Waste Condensate Contaminated Soil 	

I, Terry R. Matthews representative for:

Cross Timbers Operating Company do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis by product identification

and that nothing has been added to the exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

<input type="checkbox"/> MSDS Information	<input type="checkbox"/> Other (description):
<input type="checkbox"/> RCRA Hazardous Waste Analysis	
<input type="checkbox"/> Chain of Custody	

Name (Original Signature): 

Title: Production Superintendent

Date: 11/29/99



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

*Verbal Charlie
Parrin*

CERTIFICATE OF WASTE STATUS

11.27.99

15:00

1. Generator Name and Address: <u>Cross Timbers Operating Co.</u> <u>6001 Hwy 64</u> <u>Farmington, New Mexico 87401</u>	2. Destination Name: <u>Envirotech Inc.</u> <u>Soil Remediation Remediation Facility</u> <u>Landfarm #2, Hilltop, New Mexico</u> <u>5796 IIS Hwy 64, Farmington, NM 87401</u>
3. Originating Site (name): <u>Gas Com #1</u>	Location of the Waste (Street address &/or ULSTR): <u>"C" Sec 31, T30N, R12W</u> <u>San Juan County, New Mexico</u>
Attach list of originating sites as appropriate	
4. Source and Description of Waste <u>Condensate Contaminated Soil</u>	

1. TERRY R. Matthews representative for:
 (Print Name)

Cross Timbers Operating Company do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
 analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
 to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): *Terry R. Matthews*

Title: Production Superintendent

Date: 11/29/99

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Oil Conservation Division
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Production Operators</u> <u>PCS</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Unit # 1255</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>Southern Ute Colorado</u> → <u>NM</u>
7. Location of Material (Street Address or ULSTR)	<u>SE 1/4 Sec 26 T33N, R11W</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 contaminated w/ new lube oil
(Mobile Pegasus 805)

MSDS - ATTACHED

RECEIVED
DEC 15 1999

OIL CON. DIV.
DIST. 3

RECEIVED
DEC - 2 1999
OIL CON. DIV.
DIST. 3

Estimated Volume ± 100 cy Known Volume (to be entered by the operator at the end of the haul) 170 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-2-99
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: 12/3/99

APPROVED BY: Morty J. Kish TITLE: Environmental Geologist DATE: 12-7-99

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(505) 827-7131

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Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Production Operators Inc.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Unit #1255</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>Southern Ute Colorado → NM</u>
7. Location of Material (Street Address or ULSTR)	<u>SE 1/4 Sec 26 T33N, R11W</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 contaminated w/ new lub-oil
(Mobile Pegasus 805)
MSDS - ATTACHED

RECEIVED
DEC - 2 1999
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12.2.99
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: 12/3/99
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-5170 FAX (505) 334-5170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Production Operators Inc. 4000 Lomas Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name): POI unit # 1255	Location of the Waste (Street address &/or ULSTR): SE 1/4 Sec. 26 T. 33N R. 11W
Attach list of originating sites as appropriate	
4. Source and Description of Waste Source - 500gal. Lube Oil Storage Tank Description - mobil Pegasus 805 unused clean Lube Oil	

I, Rod Heeston representative for:
(Print Name)
Production Operator Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☒ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Rod Heeston

Title: Area 135 Supt.

Date: 11-18-99



SOUTHERN UTE INDIAN TRIBE

November 22, 1999

Rod Heaston
Production Operators, Inc.
4000 Lomas
Farmington, NM 87401

Re: Tribal Notification of Transportation of Non-exempt Oil Field Waste
500 gallons of non-exempt, unused lube oil contaminated soil
Production Operators Inc., Unit #1255 4-Queens, SE1/4 Sec. 26 T33N R11W

Dear Mr. Heaston:

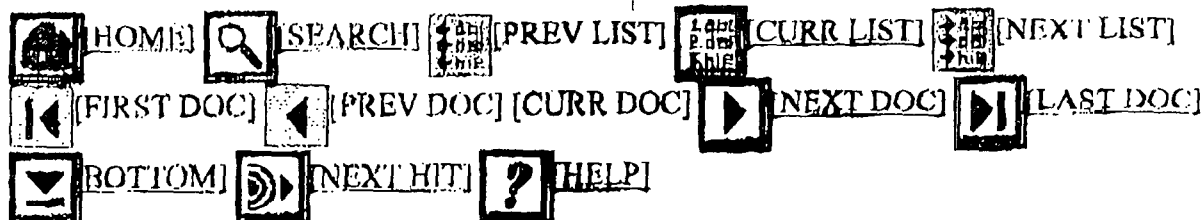
Thank you for notifying the Environmental Programs Division of the Southern Ute Indian Tribe of the transport of soil contaminated with 500 gallons of RCRA non-exempt unused lube oil from the above referenced site to a land farm in New Mexico. It is our understanding that the contaminated soil will be transported to Envirotech's landfarm in New Mexico.

Certification may be required by the state in New Mexico Oil Conservation Commission (NMOCCD) from your company, the transporter or generator. Transportation of this waste may be subject to other state and federal laws.

Sincerely,

A handwritten signature in cursive script that reads "Cheryl L. Wiscamp".

Cheryl L. Wiscamp
Division Head
Environmental Programs

**Mobil**The energy
to make a difference.

Print View

602466-00

**602466-00 MOBIL PEGASUS 805
MATERIAL SAFETY DATA BULLETIN****1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT NAME: **MOBIL**  **[PREV HIT]**  **[NEXT HIT]** **PEGASUS 805** SUPPLIER: MOBIL OIL CORPNORTH AMERICA MARKETING AND REFINING
3225 GALLOWAY RD.
FAIRFAX, VA 22037

24 - Hour Emergency (call collect): 609-737-4411

Product and MSDS Information:

800-662-4525

609-224-4644

CHEMTREC:

800-424-9300

202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

See Section 15 for European Label Information.

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

EFFECTS OF OVEREXPOSURE: No significant effects expected.

EMERGENCY RESPONSE DATA: Light Amber Liquid. DOT ERG No. - NA

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem when ingested. If

uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): 245(473) (ASTM D-92). Flammable limits - LEL: NE, UEL: NE.

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragments. Sulfur oxides and compounds.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid
COLOR: light Amber
ODOR: Marketable
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): NE
MELTING POINT C(F): NA
FLASH POINT C(F): 245(473) (ASTM D-92)
FLAMMABILITY: NE
AUTO FLAMMABILITY: NE
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: < 0.1
VAPOR DENSITY: > 2.0
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.89
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: NE
VISCOSITY AT 40 C, cSt: 130.0
VISCOSITY AT 100 C, cSt: 13.5
POUR POINT C(F): -12(10)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Extreme heat.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragments. Sulfur oxides and compounds.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not applicable ---Harmful concentrations of mist and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Severely solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body

fluids, showed no adverse effects.

---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: Not established.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.
RID/ADR: NOT REGULATED BY RID/ADR.
IMO: NOT REGULATED BY IMO.
IATA: NOT REGULATED BY IATA.

15. REGULATORY INFORMATION

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DBL.

EU Labeling:

Symbol: * EU labeling not required.

Risk Phrase(s): R.

NA

Safety Phrase(s): Not applicable.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals reportable under

SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
XYLENES (0.06%)	1330-20-7	22
ZINC (ELEMENTAL ANALYSIS) (< 0.04%)	7440-66-6	22
PHOSPHORODITHIOIC ACID, O,O-DI	68649-42-3	22
C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (0.33%)		

--- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2H	13=TSCA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSCA 6	19=PL RTK	24=NJ RTK
5=NTP SUS	10=OSHA 2	15=TSCA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

18. OTHER INFORMATION

USE: ENGINE LUBRICANT






NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBs.






Please call the Customer Response Center on 800-662-4525 for formulation disclosure.




 For Internal Use Only: MHC: 0* 0* NA 1* 1*, MPPEC: A, TRN: 602466-00,
 GHS: 400/95, CMCS97: 97D936, REQ: US - MARKETING, SAFE USE: L
 RHS Approval Date: 14SEP1999

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 particular uses are beyond our control; all risks of use of the product
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Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
DEC 17 1999
Environmental Bureau
Oil Conservation Division
Env. JN: 92132-03

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: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>Halliburton Energy Services</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <i>Herrera Hill</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 US Highway 64 Farmington, NM 87401</i>	8. State <i>Southern Colorado → New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>NE 1/4 Sec 29, T35N, R8W Laplace County Co.</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 stimulation fluids spilled @ Trailer Accident.

MSDS sheets

&

RCRA RCI Attached.

RECEIVED
DEC 20 1999

OIL CON. DIV.
DIST. 3

Estimated Volume ± 108 cy Known Volume (to be entered by the operator at the end of the haul) 105 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 12-10-99
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. Furst* TITLE: Geologist DATE: 12/14/99

APPROVED BY: *Wendy J. Furst* TITLE: Environmental Geologist DATE: 12/17/99

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
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Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Havana Hill</u>
2. Management Facility Destination <u>Envirotech Soil Remed. Facility Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>Southern New Colorado</u> → <u>New Mexico</u>
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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: 12/14/99
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-5178 Fax (505) 334-5170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: HALLIBURTON ENERGY SERVICE 4109 E. MAIN ST. FARMINGTON N.M. 87401	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name): VEHICLE ACCIDENT HERRERA HILL	Location of the Waste (Street address &/or ULSTR): NORTHEAST 1/4 SECTION 29 TOWNSHIP 33 NORTH RANGE 8 WEST SOUTHERN UTE INDIAN RESERVATION LA PLATA COUNTY CO.
Attach list of originating sites as appropriate	
4. Source and Description of Waste LDSURF 300 SAND WEDGE BL-140	

I, ROBERT SMITH representative for:
(Print Name)

HALLIBURTON ENERGY SERVICE do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

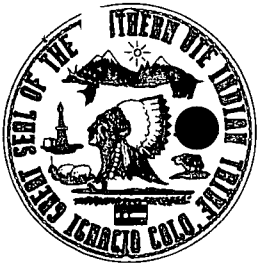
☒ MSDS Information ☒ Other (description): RCRA RCI
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): ROBERT SMITH

Title: HEALTH, SAFETY & ENVIRONMENTAL ADVISOR

Date: 12-10-99



CEIVED NOV 29 1999

SOUTHERN UTE INDIAN TRIBE

November 22, 1999

Harlan Brown
Envirotech, Inc.
5796 U.S. Hwy 64
Farmington, NM 87401

Re: Tribal Notification of Transportation of Non-exempt Contaminated Soil
300 gallons non-exempt sandwedge 630
208 gallons BC-140
190 gallons Low Surf contaminated soil
Haliburton Energy Services, Inc. Herrera Hill, N2NE1/4 Sec. 29 T33N R8W

Dear Mr. Brown:

Thank you for notifying the Environmental Programs Division of the Southern Ute Indian Tribe of the transport of soil contaminated with RCRA non-exempt Sandwedge 630, BC-140, and Low Surf from the above referenced site to your land farm in New Mexico. It is our understanding that the contaminated soil will be transported to Envirotech's landfarm in New Mexico.

Certification may be required by the state in New Mexico Oil Conservation Commission (NMOCCD) from your company, the transporter or generator. Transportation of this waste may be subject to other state and federal laws.

Sincerely,

Cheryl Wiscamp
Division Head
Environmental Programs

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton Energy Services	Project #:	213203
Sample ID:	Stockpile	Date Reported:	12-03-99
Lab ID#:	G523	Date Sampled:	12-01-99
Sample Matrix:	Soil	Date Received:	12-01-99
Preservative:	Cool	Date Analyzed:	12-03-99
Condition:	Cool and Intact	Chain of Custody:	7580

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 6.88

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

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

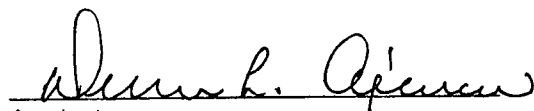
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
---------------	---

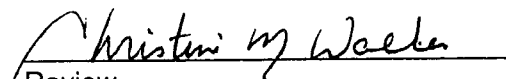
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	--

REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)
-------------	---

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

Comments: **Herrera Hill.**


Analyst


Review

CHAIN OF CUSTODY RECORD

7580

Client / Project Name Halliburton Energy Services			Project Location Herrera Hill		ANALYSIS / PARAMETERS									
Sampler: HARLAN W. BROWN			Client No. 92132-03		No. of Containers	PCB RCH	PCB RCH	8015	ETHYLENE GLYCOL	8015	AROMATICS	8021	NAPHTHALENE	Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
STOCK PILE	12.1.99	12:10	G523	Soil	1	✓								
Drummed Soil	12.1.99	12:05	G524	Soil	1	NO HX TRAC	✓	✓	✓					Worst Case
Relinquished by: (Signature) <i>Harlan W. Brown</i>			Date 12.1.99	Time 14:45	Received by: (Signature) <i>Christine M. Wash</i>			Date 12.1.99	Time 14:45					
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615							Sample Receipt							
								Y	N	N/A				
							Received Intact	✓						
							Cool - Ice/Blue Ice	✓						

632-1865

SANDWEDGE - HAL-TANK

PAGE 1

MATERIAL SAFETY DATA SHEET
HALLIBURTON ENERGY SERVICES
DUNCAN, OKLAHOMA 73536

DATE: 07-22-98
REVISED DATE 11-04-9

EMERGENCY TELEPHONE: 580/251-4689 OR 580/251-3569
AFTER HOURS: 580/251-3760

* * * * * SECTION I - PRODUCT DESCRIPTION * * * * *

CHEMICAL CODE: SANDWEDGE - HAL-TANK PART NUMBER: 51601167
PKG QTY: 300 GALLON HALTANK APPLICATION: CONDUCTIVITY ENHANCER
SERVICE USED: FRACTURING

* * * * * SECTION II - COMPONENT INFORMATION * * * * *

COMPONENT+ + + + +	PERCENT	TLV	PEL
ISOPROPANOL	31-60 %	400 PPM	400 PPM
HEAVY AROMATIC NAPHTHA	1-10 %	300 PPM	400 PPM

* * * * * SECTION III - PHYSICAL DATA * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	DARK BROWN LIQUID
ODOR	BLAND
SPECIFIC GRAVITY (H2O=1)	.903
BULK DENSITY	7.52 LB/GAL
PH	7.8 TO 9.8
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	INSOLUBLE
BIODEGRADABILITY	NOT DETERMINED
PERCENT VOLATILES	35
EVAPORATION RATE(BUTYL ACETATE=1)	N/D
VAPOR DENSITY	N/D
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT(760 MMHG)	/0 F / -17 C
POUR POINT	>/A-20 F / 2>C-28 C
FREEZE POINT	>/A-20 F / 2>C-28 C
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * *

NFPA(704) RATING:

HEALTH 2	FLAMMABILITY 3	REACTIVITY 0	SPECIAL NONE
FLASH POINT	66 F /	18 C	FLASH MTHD PMCC
AUTOIGNITION TEMPERATURE	ND	ND	
FLAMMABLE LIMITS (% BY VOLUME)	LOWER 2	UPPER	12.7

EXTINGUISHING MEDIA:

USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

PN: 516011670

PAGE 2

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY BE IGNITED BY HEAT, SPARKS, OR FLAMES. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. HEAT MAY BUILD PRESSURE AND RUPTURE CLOSED CONTAINERS, SPREADING THE FIRE AND INCREASING THE RISK OF BURNS AND INJURIES.

INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE AND CARBON MONOXIDE.

DO NOT ALLOW RUNOFF TO ENTER WATERWAYS.

* * * * * SECTION V - HEALTH HAZARD DATA * * * * *

CALIFORNIA PROPOSITION 65:

PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:

PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT DETERMINED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE:

MAY CAUSE SEVERE IRRITATION WITH POSSIBLE CORNEAL BURNS.

SKIN:

MAY BE ABSORBED THROUGH SKIN.

PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS.

INHALATION:

HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. THIS MAY BE EVIDENCED BY GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY UNCONSCIOUSNESS.

HIGH CONCENTRATIONS CAUSES NARCOSIS.

VAPORS, MIST OR SPRAY MAY CAUSE IRRITATION.

INGESTION:

LARGE DOSES CAUSES ABDOMINAL PAIN, NAUSEA, VOMITING AND DIARRHEA.

CHRONIC EFFECTS:

CHRONIC OVEREXPOSURE MAY CAUSE LIVER AND KIDNEY DISORDERS.

OTHER SYMPTOMS AFFECTED:

A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENER BY EXPOSURE TO THIS PRODUCT.

----- EMERGENCY AND FIRST AID PROCEDURES -----

EYE:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK PROMPT MEDICAL ATTENTION.

SKIN:

PROMPTLY WASH SKIN WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE.

DISCARD CONTAMINATED LEATHER ARTICLES. SEEK PROMPT MEDICAL ATTENTION.

INHALATION:

PN: 516011670

PAGE 3

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING! GIVE UP TO TWO (2) QUARTS OF WATER TO DILUTE. KEE HEAD BELOW HIPS TO PREVENT ASPIRATION. SEEK PROMPT MEDICAL ATTENTION.

* * * * * SECTION VI - REACTIVITY DATA * * * * *

STABILITY: STABLE

CONDITIONS TO AVOID:

NOT APPLICABLE.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE AND/OR CARBON DIOXIDE.

HAZARD POLYMERIZATION: WON'T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

* * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AREA AND STOP LEAK WHERE SAFE.

REMOVE IGNITION SOURCES. CONTAIN AND ABSORB SPILL WITH SAND OR OTHER INERT MATERIAL. SCOOP OR SWEEP UP USING NON-SPARKING TOOLS. IN ENCLOSED AREAS, WEAR SELF-CONTAINED BREATHING APPARATUS.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM HAZARDOUS WASTE DISPOSAL SITE AUTHORIZED UNDER EPA-RCRA SUBTITLE C OR STATE EQUIVALENT. SHIP TO SITE.

* * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM.

OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * *

PRECAUTIONARY LABELING SANDWEDGE - HAL-TANK

516.011670

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM.

FLAMMABLE!

PN: 516011670

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FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.
KEEP FROM HEAT, SPARKS, AND OPEN FLAME.
KEEP CONTAINER CLOSED WHEN NOT IN USE.
AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

IF EMPTY CONTAINER RETAINS PRODUCT RESIDUES, ALL LABEL PRECAUTIONS MUST BE OBSERVED. STORE AWAY FROM IGNITION SOURCES WITH ALL DRUM CLOSURES IN PLACE. OFFER CONTAINER TO RECONDITIONER OR RECYCLER. ENSURE RECONDITIONER OR RECYCLER IS AWARE OF THE PROPERTIES OF THE CONTENTS.

SPECIAL PRECAUTIONS:

PRODUCT HAS A SHELF LIFE OF 24 MONTHS.

* * * * * SECTION X - TRANSPORTATION INFORMATION * * * * *

DOT SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. - 3 - UN1993 - II
(CONTAINS ISOPROPANOL, HEAVY AROMATIC NAPHTHA)

IATA SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. - 3 - UN1993 - II
(CONTAINS ISOPROPANOL, HEAVY AROMATIC NAPHTHA)

IMO SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. (CONTAINS ISOPROPANOL, HEAVY AROMATIC NAPHTHA) -
CLASS 3.2 - UN1993 - II (15.6'C)
MS 3-07

CAN SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. - CLASS 3 - UN1993 - II
(CONTAINS ISOPROPANOL, HEAVY AROMATIC NAPHTHA)

ADR SHIPPING DESCRIPTION:

1993 FLAMMABLE LIQUID, N.O.S. - 3, ITEM 3(B) - ADR
(CONTAINS ISOPROPANOL, HEAVY AROMATIC NAPHTHA)

* * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION

FIRE: Y PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
12,500 LBS OR 1673 GALLONS

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
ISOPROPANOL 67-63-0 31-60 %

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

TSCA YES	CEPA YES	EEC N/D	ACoin N/D	NPR NE	DRSM NE
----------	----------	---------	-----------	--------	---------

F. EXTRACTION METAL AND TRACE CONTENTS

ARSENIC:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NO
BARIUM :	IN LIQUID > 100 MG/L,	SOLID > 10000 MG/KG	NO
CADIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NO
CHROMIUM(VI) :	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NO
CHROMIUM(III) :	IN LIQUID > 560 MG/L,	SOLID > 2500 MG/KG	NO
LEAD:	IN LIQUID > 5 MG/L,	SOLID > 1000 MG/KG	NO
MERCURY:	IN LIQUID > 0.2 MG/L,	SOLID > 2000 MG/KG	NO
SELENIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NO
SILVER:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NO
ANTIMONY:	IN LIQUID > 15 MG/L,	SOLID > 500 MG/KG	NO
BERYLLIUM:	IN LIQUID > 0.75 MG/L,	SOLID > 75 MG/KG	NO
COBALT:	IN LIQUID > 80 MG/L,	SOLID > 8000 MG/KG	NO
COPPER:	IN LIQUID > 25 MG/L,	SOLID > 2500 MG/KG	NO
FLUORIDE:	IN LIQUID > 180 MG/L,	SOLID > 18000 MG/KG	NO
MOLYBDENUM:	IN LIQUID > 350 MG/L,	SOLID > 3500 MG/KG	NO
NICKEL:	IN LIQUID > 20 MG/L,	SOLID > 2000 MG/KG	NO
THALLIUM:	IN LIQUID > 7 MG/L,	SOLID > 700 MG/KG	NO
VANADIUM:	IN LIQUID > 24 MG/L,	SOLID > 2400 MG/KG	NO
ZINC:	IN LIQUID > 250 MG/L,	SOLID > 5000 MG/KG	NO
CYANIDE:	IN LIQUID > 250 MG/L,	SOLID > 250 MG/KG	NO
H2S:	IN LIQUID > 500 MG/L,	SOLID > 500 MG/KG	NO
ORGANO-TIN:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
ORGANO-PHOS:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
TIN:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
PERSISTENT ORGANO- HALOGENS:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED

G. OTHER COMPONENTS

CONTAINS BENZENE	NO
CONTAINS TOLUENE	NO
CONTAINS XYLENE	NO
REPORTABLE SPILL QUANTITY FOR BENZENE, TOLUENE, XYLENE	NOT APPLICABLE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY US EPA BECAUSE OF:

IGNITABILITY

I. UNITED KINGDOM - DOE (CHEMICAL NOTIFICATION SCHEME)

TOXICITY CATEGORY	NOT EVALUATED
-------------------	---------------

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN

PN: 516011670

PAGE 6

BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

-32-86-



*Farmington New Mexico
Rocky Mountain N.W.A.*

Attention: HARLEN

Company: ENVZRO TECH

From: ROBERT SMITH

Date: 11-22 Time: 4:00pm

Number of pages (including cover sheet) 7

Fax No. (505) 327-2534

Telephone No. (505) 324-3500

BC-140 - HAL-TANK

PAGE 1

MATERIAL SAFETY DATA SHEET
HALLIBURTON ENERGY SERVICES
DUNCAN, OKLAHOMA 73536

DATE: 07-22-98
REVISED DATE 06-24-9

EMERGENCY TELEPHONE: 580/251-4689 OR 580/251-3569
AFTER HOURS: 580/251-3760

* * * * * SECTION I - PRODUCT DESCRIPTION * * * * *

CHEMICAL CODE: BC-140 - HAL-TANK PART NUMBER: 51601089
PKG QTY: 330 GALLON TANK APPLICATION: CROSSLINKING AGENT
SERVICE USED: STIMULATION

* * * * * SECTION II - COMPONENT INFORMATION * * * * *

COMPONENT + + + + +	PERCENT	TLV	PEL
ETHYLENE GLYCOL	11-30 %	C 50 PPM	C 50 PPM
MONOETHANOLAMINE	1-10 %	3 PPM	3 PPM

* * * * * SECTION III - PHYSICAL DATA * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	DARK LIQUID
ODOR	GLYCOL
SPECIFIC GRAVITY (H2O=1)	1.221
BULK DENSITY	10.17 LB/GAL
PH	7.28
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	N/D
BIODEGRADABILITY	NOT DETERMINED
PERCENT VOLATILES	N/D
EVAPORATION RATE (BUTYL ACETATE=1)	N/D
VAPOR DENSITY	N/D
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT (760 MMHG)	N/D
POUR POINT	N/D
FREEZE POINT	N/D
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * *

NFPA(704) RATING:

HEALTH 1	FLAMMABILITY 0	REACTIVITY 0	SPECIAL NONE
FLASH POINT	N/D		FLASH MTHD TCC
AUTOIGNITION TEMPERATURE	ND	ND	
FLAMMABLE LIMITS (% BY VOLUME)	LOWER	N/D	UPPER N/D

EXTINGUISHING MEDIA:

FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES:

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING

APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE TOXIC GASES.

* * * * * SECTION V - HEALTH HAZARD DATA * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: NOT DETERMINED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE:

MAY CAUSE MODERATE TO SEVERE IRRITATION, AND IN EXTREME CASES SEVERE BUT
TRANSIENT EYE INJURY.

SKIN:

CONTACT MAY CAUSE SKIN IRRITATION.

INHALATION:

MIST OR HEATED VAPORS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION RESULTING
IN GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY
UNCONSCIOUSNESS.

INGESTION:

CONTAINS ETHYLENE GLYCOL, MAY CAUSE HEART, KIDNEY AND BRAIN DISORDERS.

CHRONIC EFFECTS:

REPEATED AND/OR PROLONGED EXPOSURE AT LOW LEVELS MAY RESULT IN KIDNEY
DISORDERS, REPRODUCTIVE DISORDERS, AND ADVERSE EYE EFFECTS.

CONTAINS ETHYLENE GLYCOL WHICH MAY CAUSE KIDNEY, LIVER, HEART, BLOOD & BRAIN
DISORDERS. ETHYLENE GLYCOL HAS BEEN SHOWN TO CAUSE DEVELOPMENTAL AND
REPRODUCTIVE EFFECTS IN LABORATORY ANIMALS. THESE FINDINGS ARE OF UNCERTAIN
TO HUMANS.

ETHYLENE GLYCOL HAS PRODUCED DOSE RELATED TERATOGENIC EFFECTS IN RATS AND
MICE, WHEN GIVEN BY GAVAGE OR DRINKING WATER AT HIGH DOSES. TERATOGENIC
EFFECTS WERE ALSO PRODUCED BY INHALATION IN VERY HIGH CONCENTRATIONS, BUT
ONLY IN MICE. THE DATA SUGGESTS ETHYLENE GLYCOL MAY CAUSE BIRTH DEFECTS.

OTHER SYMPTOMS AFFECTED:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE INCLUDE SKIN DISORDERS
AND ALLERGIES, LIVER DISORDER, AND EYE DISEASE.

----- EMERGENCY AND FIRST AID PROCEDURES -----

EYE:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK
PROMPT MEDICAL ATTENTION.

SKIN:

IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE
REMOVING CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION. WASH
CLOTHING BEFORE REUSE.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

INGESTION:

GIVE UP TO TWO (2) QUARTS OF WATER AND INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.

* * * * * SECTION VI - REACTIVITY DATA * * * * *

STABILITY: STABLE

CONDITIONS TO AVOID:

NOT APPLICABLE.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZERS AND DEHYDRATING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON DIOXIDE AND/OR CARBON MONOXIDE AND UNIDENTIFIED HYDROCARBON VAPORS.

HAZARD POLYMERIZATION: WON'T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

* * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AND STOP LEAK WHERE SAFE. CONTAIN AND ABSORB SPILL WITH AN INERT MATERIAL. SCOOP UP AND REMOVE. PREVENT RUNOFF FROM ENTERING SEWERS, LAKES, RIVERS, STREAMS OR PUBLIC WATER SUPPLIES.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. CONTACT HALLIBURTON HEALTH, SAFETY, AND ENVIRONMENT DEPARTMENTS IN DUNCAN, OK FOR THE APPROPRIATE DISPOSAL METHOD.

* * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CHEMICAL CARTRIDGE RESPIRATOR WITH A DUST-MIST FILTER.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

WEAR GOGGLES AND/OR FACE SHIELD. PROVIDE EYEWASH AND QUICK DRENCH SYSTEM.

OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * *

PRECAUTIONARY LABELING BC-140 - HAL-TANK

516.010890

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM.

CONTAINS ETHYLENE GLYCOL WHICH MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.

STORE IN A COOL WELL VENTILATED LOCATION.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID DUST ACCUMULATIONS.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

IF CONTAINER RETAINS PRODUCT RESIDUES, LABEL PRECAUTIONS MUST BE OBSERVED.

STORE CONTAINER WITH CLOSURES IN PLACE. OFFER EMPTY CONTAINER TO RECONDI-

TIONOR OR RECYCLER FOR RECONDITIONING OR DISPOSAL. ENSURE RECONDITIONER

OR RECYCLER IS AWARE OF THE PROPERTIES OF THE CONTENTS.

SPECIAL PRECAUTIONS:

PRODUCT HAS A SHELF LIFE OF 36 MONTHS.

* * * * * SECTION X - TRANSPORTATION INFORMATION * * * * *

DOT SHIPPING DESCRIPTION:

NOT RESTRICTED

IATA SHIPPING DESCRIPTION:

NOT RESTRICTED

IMO SHIPPING DESCRIPTION:

NOT RESTRICTED

CAN SHIPPING DESCRIPTION:

NOT RESTRICTED

ADR SHIPPING DESCRIPTION:

NOT RESTRICTED

* * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION

FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y

CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)

NOT EVALUATED

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)

PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)

ETHYLENE GLYCOL 107-21-1 11-30 %

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

TSCA YES CEPA YES EEC N/D ACOIN N/D NPR NE DRSM NE

F. EXTRACTION METAL AND TRACE CONTENTS

ARSENIC:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
BARIUM :	IN LIQUID > 100 MG/L,	SOLID > 10000 MG/KG	NOT EVALUATED
CADIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NOT EVALUATED
CHROMIUM(VI):	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
CHROMIUM(III):	IN LIQUID > 560 MG/L,	SOLID > 2500 MG/KG	NOT EVALUATED
LEAD:	IN LIQUID > 5 MG/L,	SOLID > 1000 MG/KG	NOT EVALUATED
MERCURY:	IN LIQUID > 0.2 MG/L,	SOLID > 2000 MG/KG	NOT EVALUATED
SELENIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NOT EVALUATED
SILVER:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
ANTIMONY:	IN LIQUID > 15 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
BERYLLIUM:	IN LIQUID > 0.75 MG/L,	SOLID > 75 MG/KG	NOT EVALUATED
COBALT:	IN LIQUID > 80 MG/L,	SOLID > 8000 MG/KG	NOT EVALUATED
COPPER:	IN LIQUID > 25 MG/L,	SOLID > 2500 MG/KG	NOT EVALUATED
FLUORIDE:	IN LIQUID > 180 MG/L,	SOLID > 18000 MG/KG	NOT EVALUATED
MOLYBDENUM:	IN LIQUID > 350 MG/L,	SOLID > 3500 MG/KG	NOT EVALUATED
NICKEL:	IN LIQUID > 20 MG/L,	SOLID > 2000 MG/KG	NOT EVALUATED
THALLIUM:	IN LIQUID > 7 MG/L,	SOLID > 700 MG/KG	NOT EVALUATED
VANADIUM:	IN LIQUID > 24 MG/L,	SOLID > 2400 MG/KG	NOT EVALUATED
ZINC:	IN LIQUID > 250 MG/L,	SOLID > 5000 MG/KG	NOT EVALUATED
CYANIDE:	IN LIQUID > 250 MG/L,	SOLID > 250 MG/KG	NOT EVALUATED
H2S:	IN LIQUID > 500 MG/L,	SOLID > 500 MG/KG	NOT EVALUATED
ORGANO-TIN:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
ORGANO-PHOS:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
TIN:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED
PERSISTENT ORGANO-			
HALOGENS:	IN LIQUID OR	SOLID > 100 MG/L	NOT EVALUATED

G. OTHER COMPONENTS

CONTAINS BENZENE	NO
CONTAINS TOLUENE	NO
CONTAINS XYLENE	NO
REPORTABLE SPILL QUANTITY FOR BENZENE, TOLUENE, XYLENE	NOT APPLICABLE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A
HAZARDOUS WASTE

I. UNITED KINGDOM - DOE (CHEMICAL NOTIFICATION SCHEME)

TOXICITY CATEGORY	NOT EVALUATED
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THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY

OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

MATERIAL SAFETY DATA SHEET
HALLIBURTON ENERGY SERVICES
DUNCAN, OKLAHOMA 73536

DATE: 07-22-98
REVISED DATE 06-14-9

EMERGENCY TELEPHONE: 580/251-4689 OR 580/251-3569
AFTER HOURS: 580/251-3760

* * * * * SECTION I - PRODUCT DESCRIPTION * * * * *

CHEMICAL CODE: LOSURF-300 NONIONIC SURFACTANT - HAL-TANK PART NUMBER: 51600179
PKG QTY: 330 GALLON TANK APPLICATION: NONEMULSIFIER
SERVICE USED: STIMULATION

* * * * * SECTION II - COMPONENT INFORMATION * * * * *

COMPONENT+ + + + +	PERCENT	TLV	PEL
ISOPROPANOL	31-60 %	400 PPM	400 PPM
AROMATIC SOLVENT	11-30 %	100 PPM	100 PPM
NAPHTHALENE	1-10 %	10 PPM	10 PPM

* * * * * SECTION III - PHYSICAL DATA * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	AMBER LIQUID
ODOR	SOLVENT
SPECIFIC GRAVITY (H2O=1)	.910
BULK DENSITY	7.59 LB/GAL
PH	NOT DETERMINED
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	DISPERSES
BIODEGRADABILITY	N/D
PERCENT VOLATILES	46-50
EVAPORATION RATE(BUTYL ACETATE=1)	N/D
VAPOR DENSITY	N/D
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT(760 MMHG)	N/D
POUR POINT	N/D
FREEZE POINT	N/D
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * *

NFPA(704) RATING:

HEALTH 1	FLAMMABILITY 4	REACTIVITY 0	SPECIAL NONE
FLASH POINT	63 F /	17 C	FLASH MTHD PMCC
AUTOIGNITION TEMPERATURE	ND	ND	
FLAMMABLE LIMITS (% BY VOLUME)	LOWER	N/D	UPPER N/D

+++++
EXTINGUISHING MEDIA:

USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER SPRAY TO COOL FIRE-EXPOSED SURFACES.

FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

MAY BE IGNITED BY HEAT, SPARKS, OR FLAMES. FIGHT FIRE FROM A SAFE DISTANCE AND FROM A PROTECTED LOCATION. HEAT MAY BUILD PRESSURE AND RUPTURE CLOSED CONTAINERS, SPREADING THE FIRE AND INCREASING THE RISK OF BURNS AND INJURIES.

INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND NITROGEN OXIDES.

* * * * * SECTION V - HEALTH HAZARD DATA * * * * *

CALIFORNIA PROPOSITION 65:

PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:

PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: AQU TLM96: 3.3-10 PPM(BROWN SHRIMP)

PRODUCT TLV: NOT ESTABLISHED

----- EFFECTS OF EXPOSURE -----

ROUTES OF EXPOSURE:

EYE OR SKIN CONTACT, INHALATION.

EYE:

MAY CAUSE EYE IRRITATION.

SKIN:

FREQUENT OR PROLONGED CONTACT WILL DRY AND DEFAT THE SKIN, POSSIBLY LEADING TO IRRITATION AND DERMATITIS. REPEATED CONTACT MAY SENSITIZE THE SKIN.

INHALATION:

HIGH CONCENTRATIONS MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION. THIS MAY BE EVIDENCED BY GIDDINESS, HEADACHES, DIZZINESS, NAUSEA, VOMITING OR POSSIBLY UNCONSCIOUSNESS.

VAPORS, MIST OR SPRAY MAY CAUSE IRRITATION.

INGESTION:

ASPIRATION INTO LUNGS BY INGESTION OR VOMITING, MAY CAUSE CHEMICAL PNEUMONITIS RESULTING IN EDEMA AND HEMORRAGE AND MAY BE FATAL. SYMPTOMS INCLUDE INCREASED RESPIRATORY RATE AND BLUISH DISCOLORATION OF SKIN. COUGHING AND GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION.

CHRONIC EFFECTS:

CHRONIC OVEREXPOSURE MAY CAUSE LIVER AND KIDNEY DISORDERS.

OTHER SYMPTOMS AFFECTED:

BECAUSE OF ITS IRRITATING PROPERTIES, THIS MATERIAL MAY AGGRAVATE AN EXISTING DERMATITIS. BREATHING OF VAPOR AND/OR MISTS MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

----- EMERGENCY AND FIRST AID PROCEDURES -----

EYE:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEEK PROMPT MEDICAL ATTENTION.

SKIN:

IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE.

INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. SEEK PROMPT MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING! ASPIRATION INTO LUNGS DUE TO VOMITING CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

* * * * * SECTION VI - REACTIVITY DATA * * * * *

STABILITY: STABLE

CONDITIONS TO AVOID:

HEAT, SPARKS AND OPEN FLAME.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE AND/OR CARBON DIOXIDE.

HAZARD POLYMERIZATION: WON'T OCCUR

CONDITIONS TO AVOID:

NOT APPLICABLE.

* * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

USE PROTECTIVE EQUIPMENT. ISOLATE SPILL AREA AND STOP LEAK WHERE SAFE.

REMOVE IGNITION SOURCES. CONTAIN AND ABSORB SPILL WITH SAND OR OTHER INERT MATERIAL. SCOOP OR SWEEP UP USING NON-SPARKING TOOLS. IN ENCLOSED AREAS, WEAR SELF-CONTAINED BREATHING APPARATUS.

WASTE DISPOSAL METHOD:

GET APPROVAL FROM HAZARDOUS WASTE DISPOSAL SITE AUTHORIZED UNDER EPA-RCRA SUBTITLE C OR STATE EQUIVALENT. SHIP TO SITE.

* * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):

ORGANIC VAPOR CARTRIDGE RESPIRATOR WITH A FULL FACEPIECE.

VENTILATION:

USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN AREAS WITHOUT GOOD CROSS VENTILATION.

LOCAL EXHAUST VENTILATION MUST BE DESIGNED FOR EXPLOSIVE ATMOSPHERES (NEC CLASS I EQUIPMENT).

PROTECTIVE GLOVES:

IMPERVIOUS RUBBER GLOVES.

EYE PROTECTION:

GOGGLES AND/OR FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON TO PREVENT DIRECT SKIN CONTACT.

* * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * *

PRECAUTIONARY LABELING LOSURF-300 NONIONIC SURFACTANT - HAL-TANK516.001790

WARNING!

MAY CAUSE HEADACHE, DIZZINESS AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

MAY CAUSE EYE IRRITATION.

MAY CAUSE DEFATTING OF SKIN WHICH MAY LEAD TO IRRITATION OR DERMATITIS.

FLAMMABLE!

FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:

STORE AWAY FROM OXIDIZERS.

KEEP FROM HEAT, SPARKS, AND OPEN FLAME.

KEEP CONTAINER CLOSED WHEN NOT IN USE.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

AVOID BREATHING VAPORS.

CONTAINER DISPOSITION:

EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN

PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST

OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * SECTION X - TRANSPORTATION INFORMATION * * * * *

DOT SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. - 3 - UN1993 - II

(CONTAINS ISOPROPANOL)

IATA SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. - 3 - UN1993 - II

(CONTAINS ISOPROPANOL)

IMO SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. (CONTAINS ISOPROPANOL) -

CLASS 3.2 - UN1993 - II (16'C)

MDG PAGE 3230

CAN SHIPPING DESCRIPTION:

FLAMMABLE LIQUID, N.O.S. - CLASS 3 - UN1993 - II

(CONTAINS ISOPROPANOL)

ADR SHIPPING DESCRIPTION:

1993 FLAMMABLE LIQUID, N.O.S. - 3, ITEM 3(B) - ADR

(CONTAINS ISOPROPANOL)

* * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION

FIRE: Y PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y

CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)

N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)

PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)

ISOPROPANOL	67-63-0	31-60 %
NAPHTHALENE	91-20-3	1-10 %

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

TSCA YES	CEPA NE	EEC N/D	ACoin N/D	NPR NE	DRSM NE
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F. EXTRACTION METAL AND TRACE CONTENTS

ARSENIC:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NO
BARIUM :	IN LIQUID > 100 MG/L,	SOLID > 10000 MG/KG	NO
CADIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NO
CHROMIUM(VI):	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NO
CHROMIUM(III):	IN LIQUID > 560 MG/L,	SOLID > 2500 MG/KG	NO
LEAD:	IN LIQUID > 5 MG/L,	SOLID > 1000 MG/KG	NO
MERCURY:	IN LIQUID > 0.2 MG/L,	SOLID > 2000 MG/KG	NO
SELENIUM:	IN LIQUID > 1 MG/L,	SOLID > 100 MG/KG	NO
SILVER:	IN LIQUID > 5 MG/L,	SOLID > 500 MG/KG	NO
ANTIMONY:	IN LIQUID > 15 MG/L,	SOLID > 500 MG/KG	NO
BERYLLIUM:	IN LIQUID > 0.75 MG/L,	SOLID > 75 MG/KG	NO
COBALT:	IN LIQUID > 80 MG/L,	SOLID > 8000 MG/KG	NO
COPPER:	IN LIQUID > 25 MG/L,	SOLID > 2500 MG/KG	NO
FLUORIDE:	IN LIQUID > 180 MG/L,	SOLID > 18000 MG/KG	NO
MOLYBDENUM:	IN LIQUID > 350 MG/L,	SOLID > 3500 MG/KG	NO
NICKEL:	IN LIQUID > 20 MG/L,	SOLID > 2000 MG/KG	NO
THALLIUM:	IN LIQUID > 7 MG/L,	SOLID > 700 MG/KG	NO
VANADIUM:	IN LIQUID > 24 MG/L,	SOLID > 2400 MG/KG	NO
ZINC:	IN LIQUID > 250 MG/L,	SOLID > 5000 MG/KG	NO
CYANIDE:	IN LIQUID > 250 MG/L,	SOLID > 250 MG/KG	NO
H2S:	IN LIQUID > 500 MG/L,	SOLID > 500 MG/KG	NO
ORGANO-TIN:	IN LIQUID OR	SOLID > 100 MG/L	NO
ORGANO-PHOS:	IN LIQUID OR	SOLID > 100 MG/L	NO
TIN:	IN LIQUID OR	SOLID > 100 MG/L	NO
PERSISTENT ORGANO-			
HALOGENS:	IN LIQUID OR	SOLID > 100 MG/L	NO

G. OTHER COMPONENTS

CONTAINS BENZENE	NO
CONTAINS TOLUENE	NO
CONTAINS XYLENE	NO
REPORTABLE SPILL QUANTITY FOR BENZENE, TOLUENE, XYLENE	NOT APPLICABLE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES MEET THE CRITERIA OF A HAZARDOUS WASTE AS DEFINED BY US EPA BECAUSE OF:

IGNITABILITY

I. UNITED KINGDOM - DOE (CHEMICAL NOTIFICATION SCHEME)

TOXICITY CATEGORY	NOT EVALUATED
-------------------	---------------

* * * * *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

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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

Env. JN: 92142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator <u>PESCO</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Main Yard</u>
3. Address of Facility Operator <u>5796 US 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. <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.	<u>5680 US. HWY 64 FARMINGTON, NM 87410</u>

BRIEF DESCRIPTION OF MATERIAL:

Solids generated from cleaning & refurbishing production storage tanks, separators, dehydrators, and other production equipment.

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DEC 15 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul) 11 1/3 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12.14.99
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: 12/16/99
APPROVED BY: Charles Herron TITLE: Deputy Inspector DATE: 12/16/99

Jn: 92142

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: PESCO 5680 Highway 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Process Equipment & Service Company 5680 US Highway 64 Farmington, New Mexico 87401	Location of the Waste (Street address &/or ULSTR): Mainyard, stored in 55 gallon drums & 18 Cubic Foot Steel Boxes.
Attach list of originating sites as appropriate	
4. Source and Description of Waste Solids generated from cleaning and refurbishing production storage tanks, separators, dehydrators, and other production equipment.	

I, Gary Howe (Print Name) representative for:

Process Equipment and Service Company, Inc. do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Gary W Howe

Title: Safety Director

Date: 12-7-99



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) 327-7550

NORM SURVEY DATA SHEET

Facility / location: PESCO Date: 12-7-99

Meter Model: DOSIMETER 3007A Serial No: 9808-238

Detector Model: DOSIMETER 3012 Serial No: 201-887-7100

Calibration Date: 4-5-99

Battery Check: (✓)

Background Radiation Level: 0.03 mR/hr

Description of material surveyed:

Solid waste material

Item / Material Surveyed:

Waste Material: _____ approx. gals

Equipment:

mR/hr: 0.03

Manufacturer: N/A

Serial No: N/A

Description: N/A

Job No: N/A

Comments:

14 CONTAINERS

Survey Conducted by:

GARY W HOWE

(Print Name)

Gary W Howe

(Signature)

District I - (505) 393-6161
P.O. Box 330
Hot Springs, NM 88241-1980
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811 S. First
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District III - (505) 334-6178
1 Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
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(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator VASTAR Resources 5. Originating Site Various Locations 6. Transporter Envirotech 8. State Southamite Colorado New Mexico SEE ATTACHED CWS.
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	
3. Address of Facility Operator 5796 US 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:

cleanup of soil contaminated with used compressor lube oil.

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Oil Conservation Division

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DEC 15 1999
OIL CON. DIV.
DIST. 3

mailed and
hand delivered

Estimated Volume 100 cy Known Volume (to be entered by the operator at the end of the haul) 154 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-13-99
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: 12/16/99
APPROVED BY: [Signature] TITLE: Env Bureau Chief DATE: 12/20/99

District I - (505) 393-6161
 R.O. Box 1980
 Hobbs, NM 88241-1980
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 Rio Brazos Road
 Socorro, 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

DEC 17 1999
 Environmental Bureau
 Env. Oil Conservation Division

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 District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator VASTAR Resources
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Various Locations
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State Southamute Colorado → New Mexico
7. Location of Material (Street Address or ULSTR)	SEE ATTACHED CWS.
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 soil contaminated with used compressor lube oil.

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 DEC 20 1999
 OIL CON. DIV.
 DIST. 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-13-99
 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. Kent TITLE: Geologist DATE: 12/16/99
 APPROVED BY: Marking J. Kuf TITLE: Environmental Geologist DATE: 12-17-99

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
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District III - (505) 334-6178
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Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator VASTAR Resources 5. Originating Site Various Locations 6. Transporter Envirotech 8. State Southern Utah Colorado → New Mexico SEE ATTACHED CWS.
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	
3. Address of Facility Operator 5796 US 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:

Cleanup of soil contaminated with used compressor lube oil.

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DEC 13 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 160 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-13-99
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: 12/16/99

APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Vastar Resources, Inc. 115375 Memorial Drive Houston, TX 77079	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name): Treating Site #7B (NE/4, NE/4, Sec. 3, T-32N, R-10W) and Well site 17-3; 32-9 (SE/4, SW/4, Sec. 17, T-32N, R-9W) Southern Ute Indian Reservation La Plata County, Colorado Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Soil contaminated with used compressor engine lubricating oil.	

I, Margaret M. Obluda representative for:

(Print Name)

Vastar Resources, Inc.

do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information

☒ Other (description): TCLP

☐ RCRA Hazardous Waste Analysis

☒ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature):

Margaret M. Obluda
(Margaret Obluda)

Title: Environmental Coordinator

Date: 12/6/99



SOUTHERN UTE INDIAN TRIBE

December 9, 1999

Margaret M. Obluda
Environmental Coordinator
Vastar Resources, Inc.
15375 Memorial Drive
Houston, TX 77079

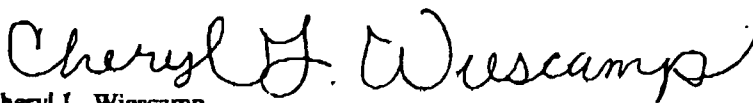
Re: Tribal Notification of Transportation of Non-exempt Oil Field Waste
60 cubic yards of non-exempt, oil contaminated soil
Vastar Resources, Inc., Treating Site 17-B, NENE Sec. 3 T32N R10W,
Wellsite 17-3; 32-9, SESW Sec. 17 T32N R9W

Dear Ms. Obluda:

Thank you for notifying the Environmental Programs Division of the Southern Ute Indian Tribe of the transport of 60 cubic yards of contaminated soil of RCRA non-exempt oil from the above referenced sites to a land farm in New Mexico. It is our understanding that the contaminated soil will be transported to Envirotech's landfarm in New Mexico.

Certification may be required by the state in New Mexico Oil Conservation Commission (NMOCCD) from your company, the transporter or generator. Transportation of this waste may be subject to other state and federal laws.

Sincerely,


Cheryl L. Wiescamp
Division Head
Environmental Programs

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

November 29, 1999

Mr. Ross Kennemer
Animas Environmental Services
P.O. Box 5314
Farmington, NM 87499

Project No.: 908301

Dear Mr. Kennemer,

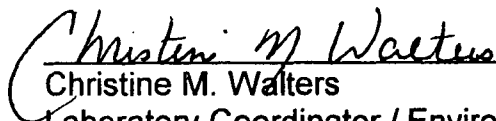
Enclosed is the analytical result for the sample collected from the location designated as "Vastar Resources Treatment Plant 7B and Southern Ute 17-3; 32-9 Composite". One soil sample was collected on 11/19/99, and received by the Envirotech laboratory on 11/22/99 for TCLP W/O Herbicides and Pesticides.

The samples were documented on Envirotech Chain of Custody No. 7574 and assigned Laboratory No. G493 (Excavated Soils) for tracking purposes.

The samples were analyzed 11/22/99 thru 11/24/99 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/animas.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Animas Env. Serv.	Project #:	908301
Sample ID:	Excavated Soils	Date Reported:	11-22-99
Lab ID#:	G493	Date Sampled:	11-19-99
Sample Matrix:	Soil	Date Received:	11-22-99
Preservative:	Cool	Date Analyzed:	11-22-99
Condition:	Cool and Intact	Chain of Custody:	7574

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 8.25

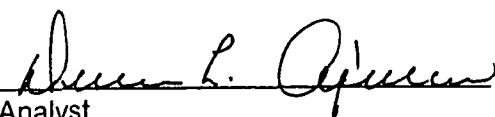
REACTIVITY: Negative

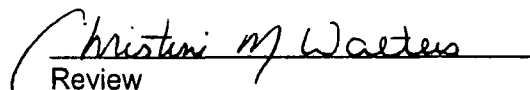
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Vastar Resources Treatment Plant 7B and
Southern Ute 17-3; 32-9 Composite.


Analyst


Review

Client:	Animas Env. Serv.	Project #:	908301
Sample ID:	Excavated Soils	Date Reported:	11-24-99
Laboratory Number:	G493	Date Sampled:	11-19-99
Chain of Custody:	7574	Date Received:	11-22-99
Sample Matrix:	TCLP Extract	Date Extracted:	11-22-99
Preservative:	Cool	Date Analyzed:	11-24-99
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)	0.0002	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0021	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.

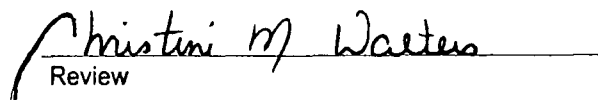
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: **Vastar Resources Treatment Plant 7B and
Southern Ute 17-3; 32-9 Composite.**


Analyst


Review

Client:	Animas Env. Serv.	Project #:	908301
Sample ID:	Excavated Soils	Date Reported:	11-24-99
Laboratory Number:	G493	Date Sampled:	11-19-99
Chain of Custody:	7574	Date Received:	11-22-99
Sample Matrix:	TCLP Extract	Date Extracted:	11-22-99
Preservative:	Cool	Date Analyzed:	11-24-99
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%

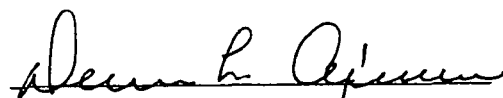
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

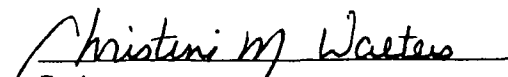
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: Vastar Resources Treatment Plant 7B and
Southern Ute 17-3; 32-9 Composite.


Analyst


Review

Client:	Animas Env. Serv.	Project #:	908301
Sample ID:	Excavated Soils	Date Reported:	11-24-99
Laboratory Number:	G493	Date Sampled:	11-19-99
Chain of Custody:	7574	Date Received:	11-22-99
Sample Matrix:	TCLP Extract	Date Extracted:	11-22-99
Preservative:	Cool	Date Analyzed:	11-23-99
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

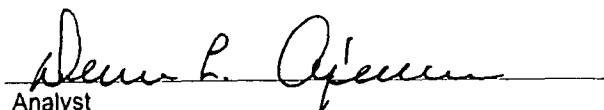
ND - Parameter not detected at the stated detection limit.

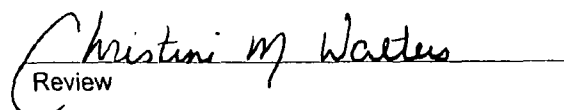
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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: Vastar Resources Treatment Plant 7B and
Southern Ute 17-3; 32-9 Composite.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Animas Env. Serv.	Project #:	908301
Sample ID:	Excavated Soils	Date Reported:	11-23-99
Laboratory Number:	G493	Date Sampled:	11-19-99
Chain of Custody:	7574	Date Received:	11-22-99
Sample Matrix:	TCLP Extract	Date Analyzed:	11-23-99
Preservative:	Cool	Date Extracted:	11-22-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.0
Barium	1.74	0.001	21
Cadmium	ND	0.001	0.11
Chromium	ND	0.001	0.60
Lead	0.028	0.001	0.75
Mercury	ND	0.001	0.025
Selenium	ND	0.001	5.7
Silver	ND	0.001	0.14

ND - Parameter not detected at the stated detection limit.

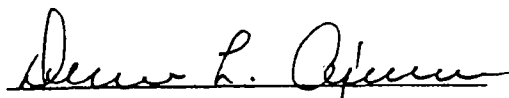
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

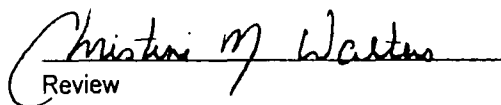
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Vastar Resources Treatment Plant 7B and Southern Ute 17-3; 32-9 Composite.


Analyst


Review



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:	11-24-99
Laboratory Number:	11-24-TCLP VOL	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-24-99
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

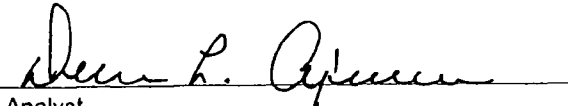
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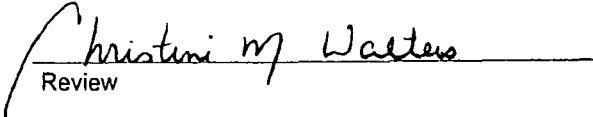
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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: QA/QC for sample G493.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	11-24-99
Laboratory Number:	11-22-TCLP Vol	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-24-99
Condition:	N/A	Date Extracted:	11-22-99
		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

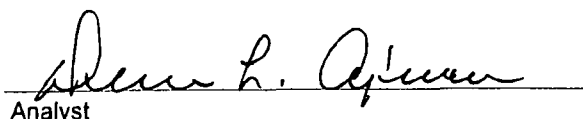
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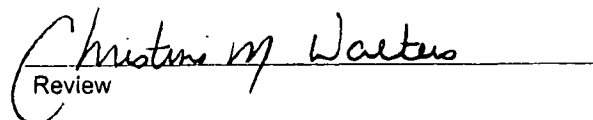
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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 G493.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: G493
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

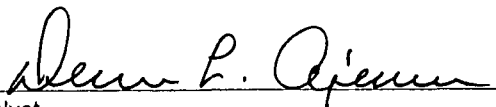
Project #: N/A
Date Reported: 11-24-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 11-24-99
Date Extracted: 11-22-99

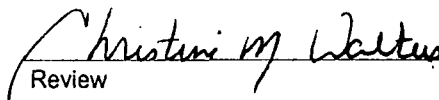
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0002	0.0002	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0021	0.0021	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 G493.


Analyst


Review

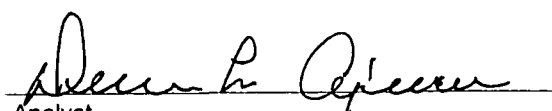
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	11-24-99
Laboratory Number:	G493	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	11-24-99
Condition:	N/A	Date Extracted:	N/A

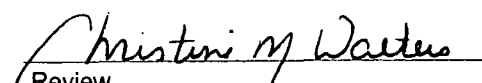
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0002	0.050	0.0497	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0021	0.050	0.0519	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 sample G493.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	11-24-99
Laboratory Number:	11-24-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-24-99
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results			
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 %

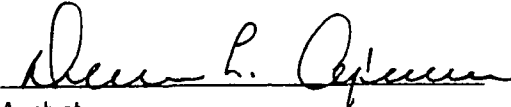
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

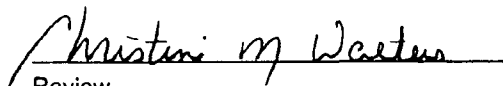
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample G493.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	11-24-99
Laboratory Number:	11-22-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	11-22-99
Condition:	Cool & Intact	Date Analyzed:	11-24-99
		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%

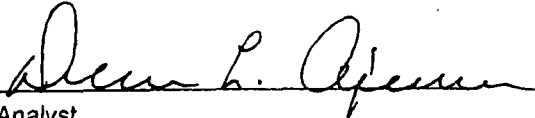
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

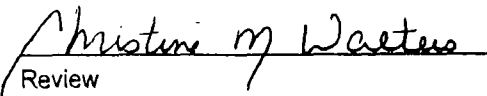
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample G493.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	11-24-99
Laboratory Number:	G493	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	11-24-99
		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%

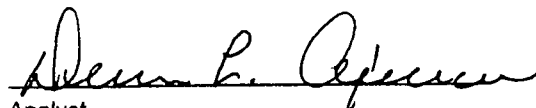
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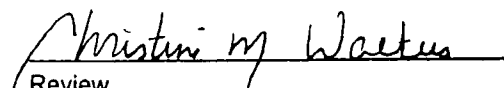
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 G493.


Analyst


Review

ENVIRO TECH 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:	11-24-99
Laboratory Number:	11-23-TCBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	11-23-99
		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

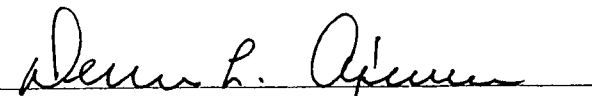
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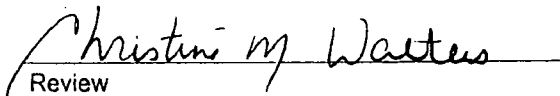
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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 sample G493.


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: 11-22-TCBN
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 11-24-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 11-22-99
Date Analyzed: 11-23-99
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.

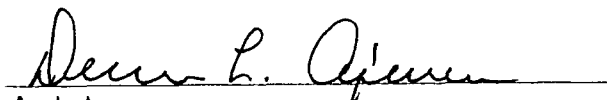
QA/QC Acceptance Criteria	Parameter	Percent Recovery
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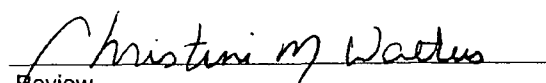
2-fluorobiphenyl 98%

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 G493.


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:	11-24-99
Laboratory Number:	G493	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	11-22-99
Condition:	N/A	Date Analyzed:	11-23-99
		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

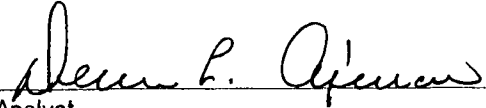
ND - Parameter not detected at the stated detection limit.

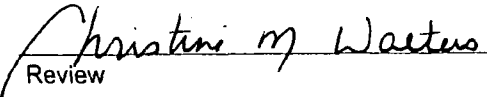
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 G493.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-23-TCM QA/QC	Date Reported:	11-24-99
Laboratory Number:	G493	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	11-23-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	1.74	1.71	1.7%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.001	0.028	0.029	3.6%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	ND	0.498	99.6%	80% - 120%
Barium	1.00	1.74	2.73	99.6%	80% - 120%
Cadmium	0.250	ND	0.250	100.0%	80% - 120%
Chromium	0.250	ND	0.251	100.4%	80% - 120%
Lead	0.250	0.028	0.277	99.6%	80% - 120%
Mercury	0.125	ND	0.124	99.2%	80% - 120%
Selenium	0.500	ND	0.499	99.8%	80% - 120%
Silver	0.250	ND	0.250	100.0%	80% - 120%

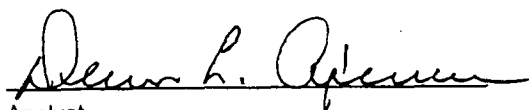
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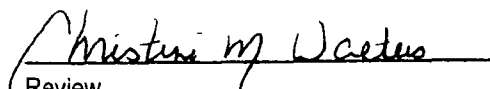
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: QA/QC for sample G493.


Analyst


Review

7574

Client / Project Name Animas Env. Serv.			Project Location Uastar Resources Treatment Plant 7B & Southern WTE 17-3; 32-9 composite		ANALYSIS / PARAMETERS																								
Sampler: <i>Ross Kurren</i>			Client No. 908301		No. of Containers 2	TCLP NO HAP								Remarks															
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																									
Excavated soils	11-19-99	1200	G493	Soil																									
Relinquished by: (Signature) <i>Ross Kurren</i>			Date 11/22/99 0950	Time 0950	Received by: (Signature) <i>Chris Davis</i>			Date 11-22-99			Time 09:50																		
Relinquished by: (Signature)					Received by: (Signature)																								
Relinquished by: (Signature)					Received by: (Signature)																								
<div>ENVIROTECH INC.</div> <div>5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615</div>															<div>Sample Receipt</div> <table><tr><td></td><td>Y</td><td>N</td><td>N/A</td></tr><tr><td>Received Intact</td><td><input checked="" type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr><tr><td>Cool - Ice/Blue Ice</td><td></td><td></td><td></td></tr></table>				Y	N	N/A	Received Intact	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Cool - Ice/Blue Ice			
	Y	N	N/A																										
Received Intact	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																											
Cool - Ice/Blue Ice																													

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
DEC 22 1999 2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131
OIL CON. DIV.
DIST. 3

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

Env. JN: 97057-21

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>E.P.F.S.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Chaco Plant</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 16, T26N, R12W SJL 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:

1 cubic oil contaminated soil

RECEIVED

DEC 22 1999

Environmental Bureau
Oil Conservation Division

RECEIVED
DEC 15 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 100 cy Known Volume (to be entered by the operator at the end of the haul) 174 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-15-99
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: 12/16/99

APPROVED BY: [Signature] DATE: 12/20/99

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: 97057-21

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>E.P.F.S.</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Chaco Plant</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Sec 16, T26N, R12W SJL. 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:

lubricant oil contaminated soil

RECEIVED
DEC 15 1999
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-15-99
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: 12/16/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Chaco Plant	Location of Waste (Street address &/or ULSTR): Section 16, T28N, R12W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with lubricating oil	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT Oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☒ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: December 15, 1999

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

October 25, 1999

Mr. John Lambdin
El Paso Field Services
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 97057

Job No.: 705717

Dear John,

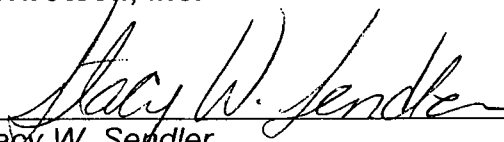
Enclosed are the analytical results for the sample collected from the location designated as "Chaco Plant". One soil sample was collected by Envirotech personnel on 09/30/99, and received by the Envirotech laboratory on 09/30/99 for Hazardous Waste Characterization analysis (TCLP Volatiles, Semi-volatiles, Trace Metals, Ignitability, Reactivity and Corrosivity).

The sample was documented on Envirotech Chain of Custody No. 7409 and assigned Laboratory No. G132 (SS-1) for tracking purposes.

The sample was extracted on 10/01/99 and analyzed 10/01/99 through 10/22/99 using USEPA or equivalent methods.

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

97057-17.lb1/wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	El Paso Field Services	Project #:	705717
Sample ID:	SS - 1	Date Reported:	10-01-99
Lab ID#:	G132	Date Sampled:	09-30-99
Sample Matrix:	Soil	Date Received:	09-30-99
Preservative:	Cool	Date Analyzed:	10-01-99
Condition:	Cool and Intact	Chain of Custody:	7409

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

IGNITABILITY: **Negative**

CORROSIVITY: **Negative** **pH = 9.22**

REACTIVITY: **Negative**

RCRA Hazardous Waste Criteria

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


IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
---------------	---

CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
--------------	---

REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)
-------------	---

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

Comments: **Chaco Plant.**


Analyst


Review

Client:	El Paso Field Services	Project #:	705717
Sample ID:	SS - 1	Date Reported:	10-06-99
Laboratory Number:	G132	Date Sampled:	09-30-99
Chain of Custody:	7409	Date Received:	09-30-99
Sample Matrix:	TCLP Extract	Date Extracted:	10-01-99
Preservative:	Cool	Date Analyzed:	10-05-99
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)	0.0028	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0182	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: **Chaco Plant.**


Analyst


Review

Client:	El Paso Field Services	Project #:	705717
Sample ID:	SS - 1	Date Reported:	10-08-99
Laboratory Number:	G132	Date Sampled:	09-30-99
Chain of Custody:	7409	Date Received:	09-30-99
Sample Matrix:	TCLP Extract	Date Extracted:	10-01-99
Preservative:	Cool	Date Analyzed:	10-07-99
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%

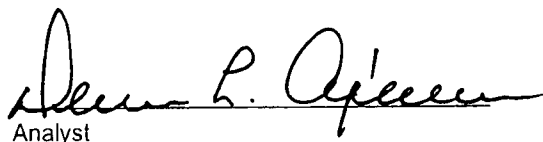
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: Chaco Plant.


Analyst


Review

Client:	El Paso Field Services	Project #:	705717
Sample ID:	SS - 1	Date Reported:	10-08-99
Laboratory Number:	G132	Date Sampled:	09-30-99
Chain of Custody:	7409	Date Received:	09-30-99
Sample Matrix:	TCLP Extract	Date Extracted:	10-01-99
Preservative:	Cool	Date Analyzed:	10-07-99
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

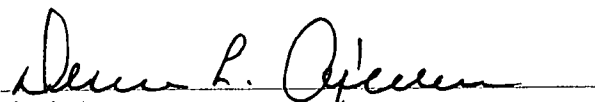
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	El Paso Field Services	Project #:	705717
Sample ID:	SS - 1	Date Reported:	11-05-99
Laboratory Number:	G132	Date Sampled:	09-30-99
Chain of Custody:	7409	Date Received:	09-30-99
Sample Matrix:	TCLP Extract	Date Analyzed:	11-04-99
Preservative:	Cool	Date Extracted:	10-01-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.076	0.001	5.0
Barium	1.07	0.001	21
Cadmium	0.013	0.001	0.11
Chromium	0.002	0.001	0.60
Lead	0.460	0.001	0.75
Mercury	ND	0.0005	0.025
Selenium	ND	0.001	5.7
Silver	ND	0.001	0.14

ND - Parameter not detected at the stated detection limit.


References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

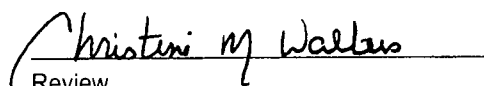
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Chaco Plant.**


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:	10-06-99
Laboratory Number:	10-05-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-05-99
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

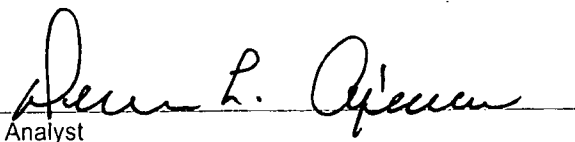
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	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 G132.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-06-99
Laboratory Number:	10-01-TCV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-05-99
Condition:	N/A	Date Extracted:	10-01-99
		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

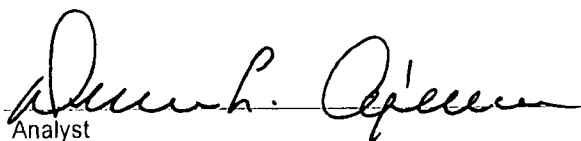
ND - Parameter not detected at the stated detection limit.

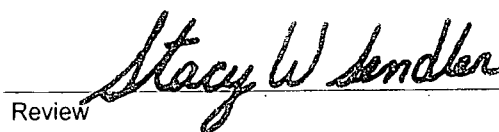
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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 G132.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: G132
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

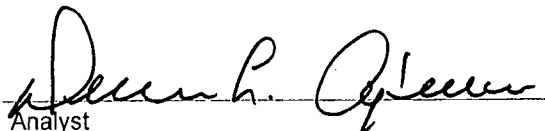
Project #: N/A
Date Reported: 10-06-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 10-05-99
Date Extracted: 10-01-99

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)	0.0028	0.0029	0.0001	3.7%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0182	0.0177	0.0001	2.8%
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 G132.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: G132
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

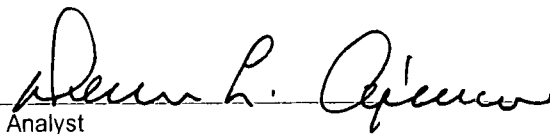
Project #: N/A
Date Reported: 10-06-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 10-05-99
Date Extracted: 10-01-99


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	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0028	0.050	0.0523	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0182	0.050	0.0680	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 sample G132.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	10-08-99
Laboratory Number:	10-07-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-07-99
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	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. 1986.

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

Comments: QA/QC for sample G132.


Analyst


Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	10-08-99
Laboratory Number:	10-01-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-01-99
Condition:	Cool & Intact	Date Analyzed:	10-07-99
		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%

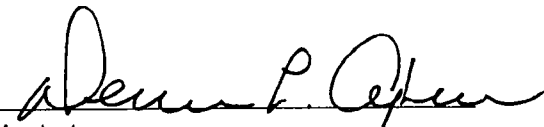
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for sample G132.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	10-08-99
Laboratory Number:	G132	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	10-07-99
		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%

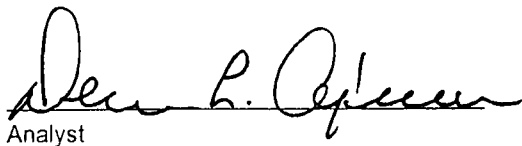
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 G132.


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: 10-07-TBN-Blank
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 10-08-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 10-07-99
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

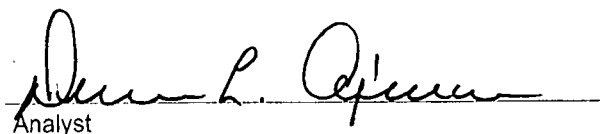
ND - Parameter not detected at the stated detection limit.

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 sample G132.


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:	10-08-99
Laboratory Number:	10-01-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	10-01-99
Condition:	Cool and Intact	Date Analyzed:	10-07-99
		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 G132.


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:	10-08-99
Laboratory Number:	G132	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	10-01-99
Condition:	N/A	Date Analyzed:	10-07-99
		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 G132.


 Analyst


 Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-04-TCM QA/QC	Date Reported:	11-05-99
Laboratory Number:	G132	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	11-04-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.076	0.076	0.0%	0% - 30%
Barium	ND	ND	0.001	1.07	1.06	0.4%	0% - 30%
Cadmium	ND	ND	0.001	0.013	0.013	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Lead	ND	ND	0.001	0.460	0.459	0.2%	0% - 30%
Mercury	ND	ND	0.0005	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.076	0.577	100.2%	80% - 120%
Barium	1.00	1.07	2.06	99.7%	80% - 120%
Cadmium	0.250	0.013	0.264	100.4%	80% - 120%
Chromium	0.250	0.002	0.251	99.6%	80% - 120%
Lead	0.250	0.460	0.709	99.9%	80% - 120%
Mercury	0.125	ND	0.125	100.0%	80% - 120%
Selenium	0.500	ND	0.499	99.8%	80% - 120%
Silver	0.250	ND	0.251	100.4%	80% - 120%

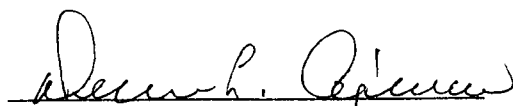
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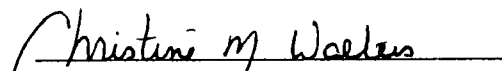
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples G132, G168, G181, G191 and G243.


Analyst


Review

375

[illegible]

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: 98059-01

OIL CON. DIV.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>University Compression</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Main Yard Washbay</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>TBA</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>425 US Hwy 550 AZTEC, NM 87410</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:

Sledge generated @ wash rack for cleaning oil & gas compression & production equipment

RECEIVED

DEC 20 1999

Environmental Bureau
Oil Conservation Division

RECEIVED
DEC 15 1999
OIL CON. DIV.
DIST. 3

Not Hauled
12/7/99

Estimated Volume 25 bbls cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12.15.99
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. Kent TITLE: Geologist DATE: 12/15/99

APPROVED BY: Frank R. ... TITLE: Env. Bureau Chief DATE: 12/20/99

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: 98059-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Universal Compression</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Main Yard Washbay</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>TBA</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>425 US Hwy 550 Aztec, NM 87410</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:

Sledge generated @ Wash rock for cleaning oil & gas Compression & production equipment

RECEIVED
DEC 15 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 25 bbls cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12.15.99
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: 12/16/99

APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 324-5170 Fax (505) 324-5170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: UNIVERSAL Compression 1125 US Hwy 550 Aztec, NM 87410	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name): 1125 US Hwy 550 Aztec, NM 87410 <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): Wash Bay 1125 US Hwy 550 Aztec, NM 87410
4. Source and Description of Waste Waste water from cleaning of compression equipment	

I, GEORGE YEAGER representative for:
Universal Compression, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): [Signature]

Title: REG. SUP

Date: 12.15.99

· NV ROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

December 10, 1999

Ms. Cheryl Miller
Universal Compression
1125 Hwy 64
Farmington, NM 87401

Project No.: 98059-03

Dear Ms. Miller,

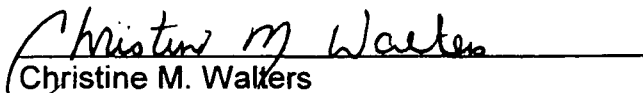
Enclosed is the analytical result for the sample collected from the location designated as "U.S. Hwy 550". One Sludge and one soil sample were collected on 12/01/99, and received by the Envirotech laboratory on 12/01/99 for TCLP W/O Herbicides and Pesticides.

The samples were documented on Envirotech Chain of Custody No. 7581 and 7582 and assigned Laboratory No. G525 (Wash Bay Solids) and G526 (Compressor Lube) for tracking purposes.

The samples were analyzed 12/03/99 - 12/07/99 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

CMW/cmw

C:/files/labreports/univer.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Universal Compression	Project #:	805903
Sample ID:	Wash Bay Solids	Date Reported:	12-03-99
Lab ID#:	G525	Date Sampled:	12-01-99
Sample Matrix:	Sludge	Date Received:	12-01-99
Preservative:	Cool	Date Analyzed:	12-03-99
Condition:	Cool and Intact	Chain of Custody:	7581

Parameter	Result
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IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.28

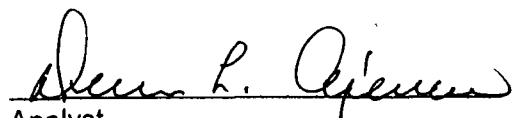
REACTIVITY: Negative

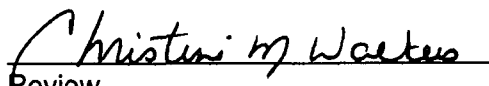
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: U.S Hwy 550.


Analyst


Review

Client:	Universal Compression	Project #:	805903
Sample ID:	Wash Bay Solids	Date Reported:	12-08-99
Laboratory Number:	G525	Date Sampled:	12-01-99
Chain of Custody:	7581	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Extracted:	12-03-99
Preservative:	Cool	Date Analyzed:	12-07-99
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)	0.0026	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0050	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

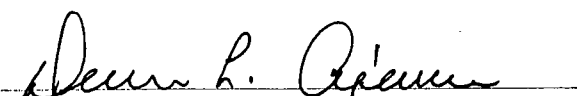
ND - Parameter not detected at the stated detection limit.

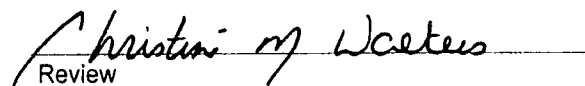
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: U.S. Hwy. 550.


Analyst


Review

Client:	Universal Compression	Project #:	805903
Sample ID:	Wash Bay Solids	Date Reported:	12-07-99
Laboratory Number:	G525	Date Sampled:	12-01-99
Chain of Custody:	7581	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Extracted:	12-03-99
Preservative:	Cool	Date Analyzed:	12-07-99
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	0.168	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%

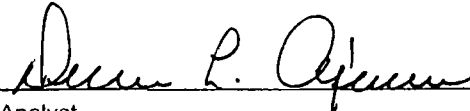
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

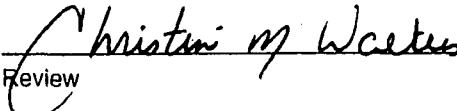
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: U. S. Hwy. 550.


Analyst


Review

Client:	Universal Compression	Project #:	805903
Sample ID:	Wash Bay Solids	Date Reported:	12-07-99
Laboratory Number:	G525	Date Sampled:	12-01-99
Chain of Custody:	7581	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Extracted:	12-03-99
Preservative:	Cool	Date Analyzed:	12-07-99
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	0.177	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

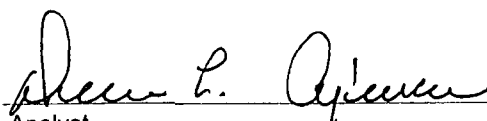
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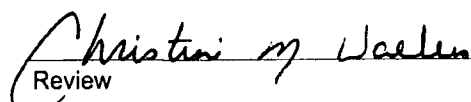
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

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: U. S. Hwy. 550.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Universal Compression	Project #:	805903
Sample ID:	Wash Bay Solids	Date Reported:	12-08-99
Laboratory Number:	G525	Date Sampled:	12-01-99
Chain of Custody:	7581	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Analyzed:	12-08-99
Preservative:	Cool	Date Extracted:	12-03-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.013	0.001	5.0
Barium	0.399	0.001	21
Cadmium	0.064	0.001	0.11
Chromium	0.064	0.001	0.60
Lead	0.029	0.001	0.75
Mercury	0.007	0.001	0.025
Selenium	0.058	0.001	5.7
Silver	0.038	0.001	0.14

ND - Parameter not detected at the stated detection limit.

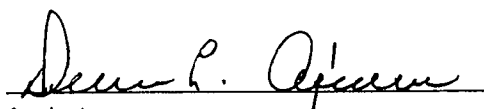
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

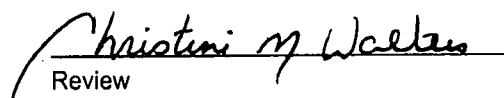
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: U. S. Hwy. 550.


Analyst


Review



PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-08-99
Laboratory Number:	12-07-TCLP VOL	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-07-99
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

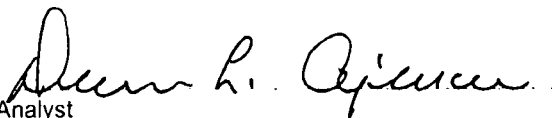
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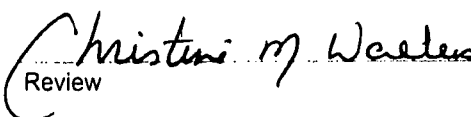
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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: QA/QC for sample G525 - G526.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-08-99
Laboratory Number:	12-03-TCLP VOL	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-07-99
Condition:	N/A	Date Extracted:	12-03-99
		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

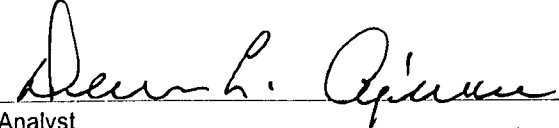
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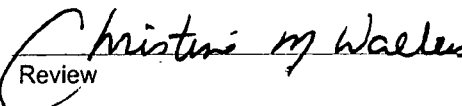
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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 G525 - G526.


Analyst


Review

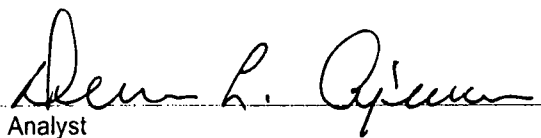
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-08-99
Laboratory Number:	G525	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-07-99
Condition:	N/A	Date Extracted:	12-03-99

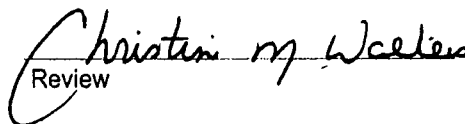
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0026	0.0026	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0050	0.0050	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 G525 - G526.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: G525
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

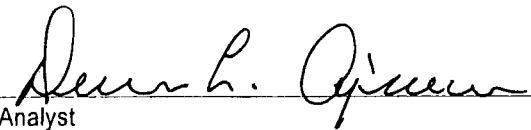
Project #: N/A
Date Reported: 12-08-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 12-07-99
Date Extracted: N/A

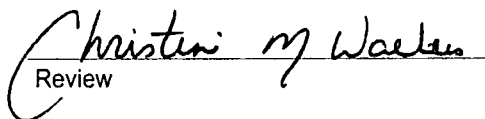
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0026	0.050	0.0521	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0050	0.050	0.0548	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 sample G525 - G526.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-07-99
Laboratory Number:	12-07-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-07-99
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	98 %
	2,4,6-tribromophenol	99 %

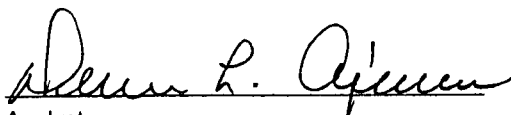
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

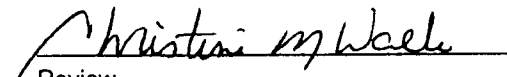
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample G525 - G526.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-07-99
Laboratory Number:	12-03-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-03-99
Condition:	Cool & Intact	Date Analyzed:	12-07-99
		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%

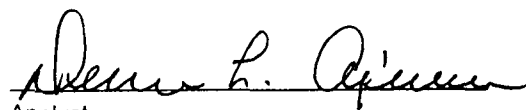
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

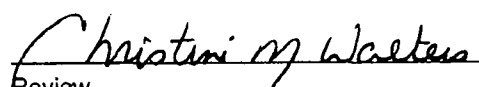
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample G525 - G526.


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:	12-07-99
Laboratory Number:	G526	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	12-07-99
		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%

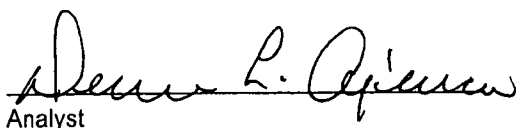
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

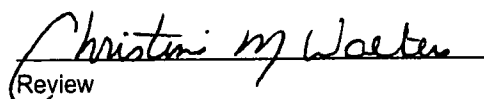
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 G525 - G526.


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:	12-07-99
Laboratory Number:	12-07-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:	12-07-99
		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

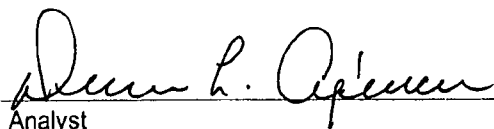
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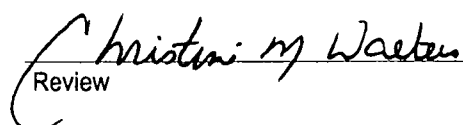
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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 G525 - G526.


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:	12-07-99
Laboratory Number:	12-03-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-03-99
Condition:	Cool and Intact	Date Analyzed:	12-07-99
		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

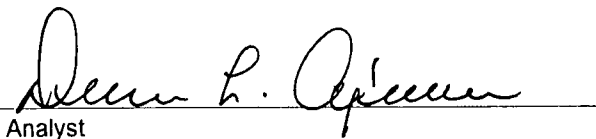
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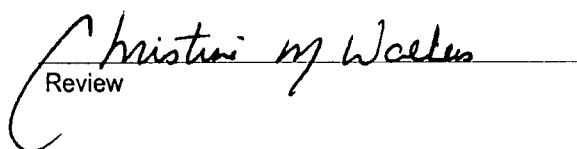
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

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: QA/QC for sample G525 - G526.


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:	12-07-99
Laboratory Number:	G526	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	12-03-99
Condition:	N/A	Date Analyzed:	12-07-99
		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

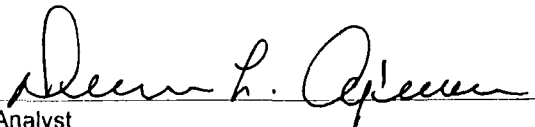
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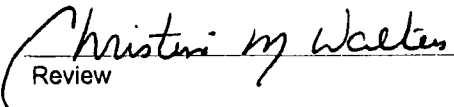
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 sample G525 - G526.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-08-TCM QA/QC	Date Reported:	12-08-99
Laboratory Number:	G525	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	12-08-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.013	0.013	0.0%	0% - 30%
Barium	ND	ND	0.001	0.399	0.396	0.8%	0% - 30%
Cadmium	ND	ND	0.001	0.064	0.063	1.6%	0% - 30%
Chromium	ND	ND	0.001	0.064	0.064	0.0%	0% - 30%
Lead	ND	ND	0.001	0.029	0.029	0.0%	0% - 30%
Mercury	ND	ND	0.001	0.007	0.007	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.058	0.059	1.7%	0% - 30%
Silver	ND	ND	0.001	0.038	0.038	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.013	0.512	99.8%	80% - 120%
Barium	0.500	0.399	0.897	99.8%	80% - 120%
Cadmium	0.500	0.064	0.563	99.8%	80% - 120%
Chromium	0.500	0.064	0.563	99.8%	80% - 120%
Lead	0.500	0.029	0.528	99.8%	80% - 120%
Mercury	0.050	0.007	0.056	98.2%	80% - 120%
Selenium	0.500	0.058	0.557	99.8%	80% - 120%
Silver	0.500	0.038	0.539	100.2%	80% - 120%

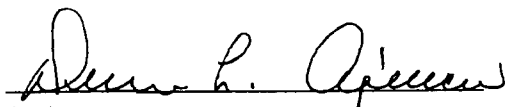
ND - Parameter not detected at the stated detection limit.

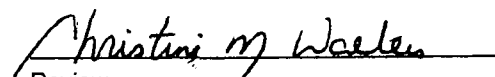
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: QA/QC for samples G525 - G526.


Analyst


Review

CHAIN OF CUSTODY RECORD

7581

Client / Project Name <i>Universal Compression.</i>			Project Location <i>U.S HWY 550</i>		ANALYSIS / PARAMETERS									
Sampler: <i>HARLAN W. BROWN</i>			Client No. <i>98059-03</i>		No. of Containers <i>TRCP 4/04/99</i>	<input checked="" type="checkbox"/>						Remarks		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
<i>West Bay Solids</i>	<i>12-1-99</i>	<i>14:20</i>	<i>G525</i>	<i>Sludge</i>	<i>1</i>	<input checked="" type="checkbox"/>								
Relinquished by: (Signature) <i>Harlan W. Brown</i>			Date <i>12-1-99</i>	Time <i>14:45</i>	Received by: (Signature) <i>Christine M. Wacker</i>						Date <i>12-1-99</i>	Time <i>14:45</i>		
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt			
												Y	N	N/A
											Received Intact	<input checked="" type="checkbox"/>		
											Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>		

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: 98059-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator <u>Universal Compression</u> 5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>425 Hwy 650</u> <u>Astee, NM 87410</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 spills & leaks of compressor lube from various compressor units in Main Yard for overhaul.

RECEIVED
DEC 20 1999
Environmental Bureau
Oil Conservation Division

RECEIVED
DEC 15 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 12 cy Known Volume (to be entered by the operator at the end of the haul) 41 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-15-99
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. Felt TITLE: Geologist DATE: 12/16/99
APPROVED BY: Tom Rader TITLE: Env Bureau Chief DATE: 12/20/99

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: 98059-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Universal Compression</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>425 Hwy 650</u> <u>Aztec, NM 87410</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 spills & leaks of compressor lube from various compressor units in Main Yard for removal.

RECEIVED
DEC 15 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 12 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 12-15-99
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. Zant TITLE: Geologist DATE: 12/16/99
APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-5170 Fax (505) 334-5170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: UNIVERSAL Compression 1125 US HWY 550 AZTEC, NM 87410	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name): 1125 US HWY 550 AZTEC, NM 87410 <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): Yard 1125 US HWY 550 AZTEC, NM 87410
4. Source and Description of Waste Misc. spills and leaks from Compression Equipment	

I, GEORGE YEAGER representative for:
(Print Name)
Universal Compression, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

MSDS Information
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature):

Title:

Date:

REG. SUP.

12-15-99

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Universal Compression	Project #:	805901
Sample ID:	Compressor Lube	Date Reported:	12-03-99
Lab ID#:	G526	Date Sampled:	12-01-99
Sample Matrix:	Soil	Date Received:	12-01-99
Preservative:	Cool	Date Analyzed:	12-03-99
Condition:	Cool and Intact	Chain of Custody:	7582

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 8.29

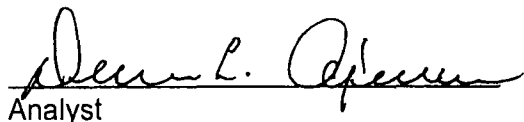
REACTIVITY: Negative

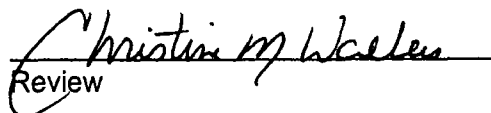
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: U.S Hwy 550.
Field PHC; Spills & Leaks.


Analyst


Review

Client:	Universal Compression	Project #:	805901
Sample ID:	Compressor Lube	Date Reported:	12-08-99
Laboratory Number:	G526	Date Sampled:	12-01-99
Chain of Custody:	7582	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Extracted:	12-03-99
Preservative:	Cool	Date Analyzed:	12-07-99
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)	0.0023	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0138	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

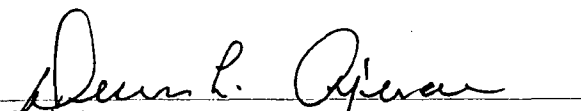
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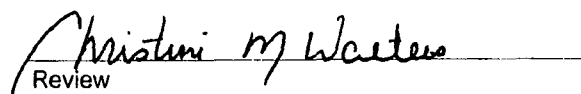
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: U.S. Hwy. 550. Field PHC; Spills & Leaks.


Analyst


Review

Client:	Universal Compression	Project #:	805901
Sample ID:	Compressor Lube	Date Reported:	12-07-99
Laboratory Number:	G526	Date Sampled:	12-01-99
Chain of Custody:	7582	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Extracted:	12-03-99
Preservative:	Cool	Date Analyzed:	12-07-99
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.

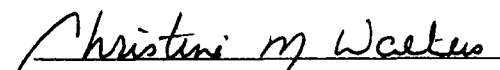
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: U. S. Hwy. 550. Field PHC; Spills & Leaks.


Analyst


Review

Client:	Universal Compression	Project #:	805901
Sample ID:	Compressor Lube	Date Reported:	12-07-99
Laboratory Number:	G526	Date Sampled:	12-01-99
Chain of Custody:	7582	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Extracted:	12-03-99
Preservative:	Cool	Date Analyzed:	12-07-99
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

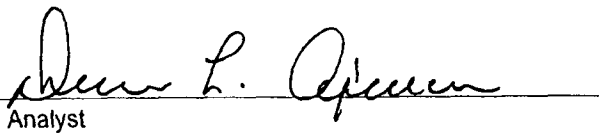
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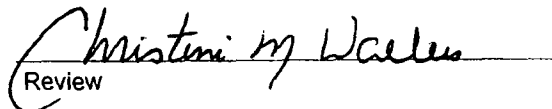
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	97%

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: U. S. Hwy. 550. Field PHC; Spills & Leaks.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Universal Compression	Project #:	805901
Sample ID:	Compressor Lube	Date Reported:	12-08-99
Laboratory Number:	G526	Date Sampled:	12-01-99
Chain of Custody:	7582	Date Received:	12-01-99
Sample Matrix:	TCLP Extract	Date Analyzed:	12-08-99
Preservative:	Cool	Date Extracted:	12-03-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.050	0.001	5.0
Barium	1.05	0.001	21
Cadmium	0.053	0.001	0.11
Chromium	0.025	0.001	0.60
Lead	0.073	0.001	0.75
Mercury	0.005	0.001	0.025
Selenium	0.029	0.001	5.7
Silver	0.098	0.001	0.14

ND - Parameter not detected at the stated detection limit.

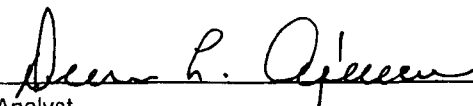
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

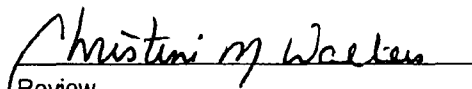
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: U. S. Hwy. 550. Field PHC; Spills & Leaks.


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:	12-08-99
Laboratory Number:	12-07-TCLP VOL	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-07-99
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

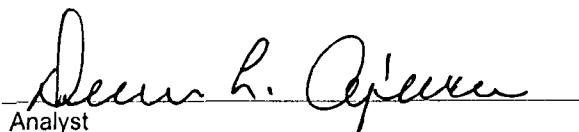
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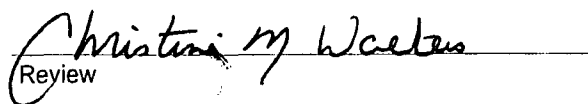
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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: QA/QC for sample G525 - G526.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-08-99
Laboratory Number:	12-03-TCLP VOL	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-07-99
Condition:	N/A	Date Extracted:	12-03-99
		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

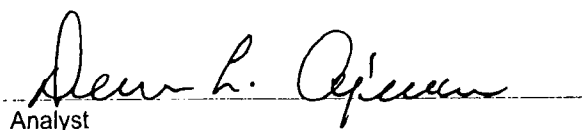
ND - Parameter not detected at the stated detection limit.

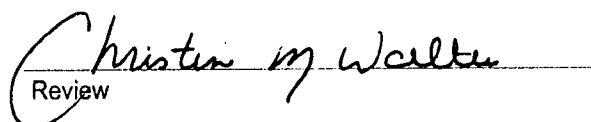
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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 G525 - G526.


Analyst


Review

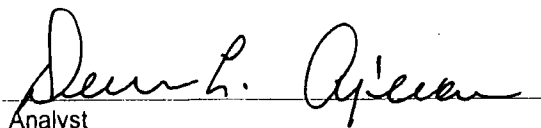
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Sample ID:	Matrix Duplicate	Date Reported:	12-08-99
Laboratory Number:	G525	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-07-99
Condition:	N/A	Date Extracted:	12-03-99

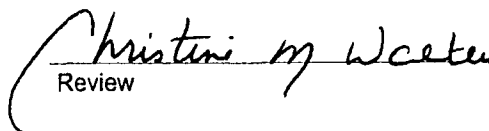
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.0026	0.0026	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0050	0.0050	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 G525 - G526.


Analyst


Review

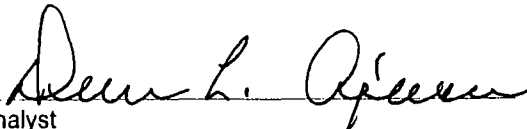
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	12-08-99
Laboratory Number:	G525	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	12-07-99
Condition:	N/A	Date Extracted:	N/A

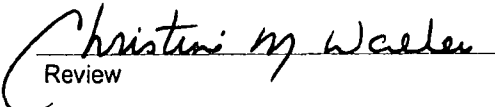
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0026	0.050	0.0521	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0050	0.050	0.0548	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 sample G525 - G526.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	12-07-99
Laboratory Number:	12-07-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-07-99
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	98 %
	2,4,6-tribromophenol	99 %


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

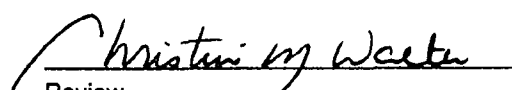
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample G525 - G526.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	12-07-99
Laboratory Number:	12-03-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-03-99
Condition:	Cool & Intact	Date Analyzed:	12-07-99
		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%

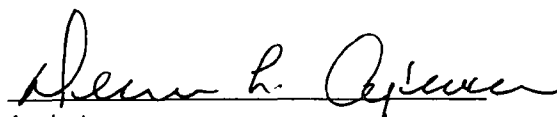
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

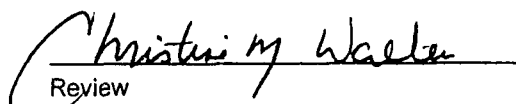
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for sample G525 - G526.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	12-07-99
Laboratory Number:	G526	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	12-07-99
		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%

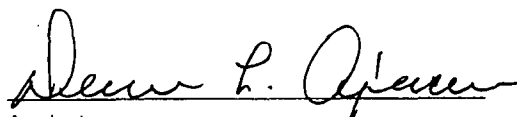
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

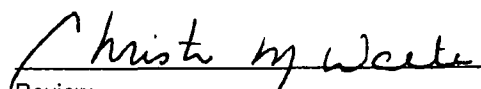
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 G525 - G526.


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:	12-07-99
Laboratory Number:	12-07-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:	12-07-99
		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.

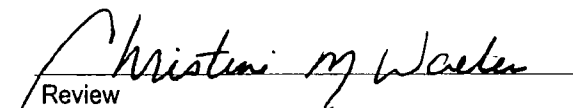
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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 G525 - G526.


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:	12-07-99
Laboratory Number:	12-03-TBN-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	12-03-99
Condition:	Cool and Intact	Date Analyzed:	12-07-99
		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.

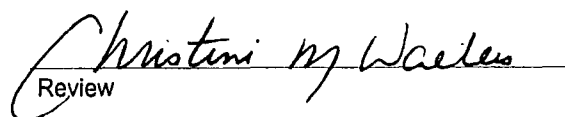
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	101%

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: QA/QC for sample G525 - G526.


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:	12-07-99
Laboratory Number:	G526	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	12-03-99
Condition:	N/A	Date Analyzed:	12-07-99
		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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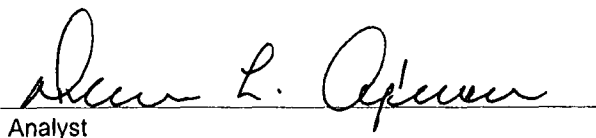
8090 Compounds

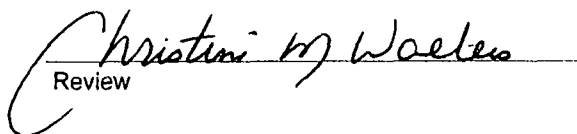
30%

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 G525 - G526.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-08-TCM QA/QC	Date Reported:	12-08-99
Laboratory Number:	G525	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	12-08-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.013	0.013	0.0%	0% - 30%
Barium	ND	ND	0.001	0.399	0.396	0.8%	0% - 30%
Cadmium	ND	ND	0.001	0.064	0.063	1.6%	0% - 30%
Chromium	ND	ND	0.001	0.064	0.064	0.0%	0% - 30%
Lead	ND	ND	0.001	0.029	0.029	0.0%	0% - 30%
Mercury	ND	ND	0.001	0.007	0.007	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.058	0.059	1.7%	0% - 30%
Silver	ND	ND	0.001	0.038	0.038	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.013	0.512	99.8%	80% - 120%
Barium	0.500	0.399	0.897	99.8%	80% - 120%
Cadmium	0.500	0.064	0.563	99.8%	80% - 120%
Chromium	0.500	0.064	0.563	99.8%	80% - 120%
Lead	0.500	0.029	0.528	99.8%	80% - 120%
Mercury	0.050	0.007	0.056	98.2%	80% - 120%
Selenium	0.500	0.058	0.557	99.8%	80% - 120%
Silver	0.500	0.038	0.539	100.2%	80% - 120%

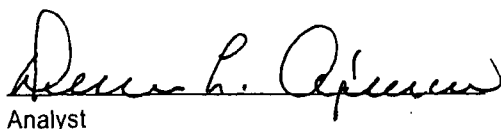
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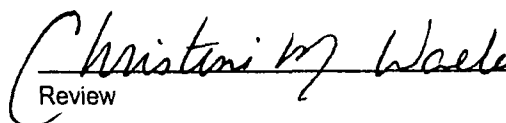
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: QA/QC for samples G525 - G526.


Analyst


Review

CHAIN OF CUSTODY RECORD

7582

Client / Project Name <i>Universal Compression</i>			Project Location <i>U.S. Hwy 550</i>		ANALYSIS / PARAMETERS								
Sampler: <i>Harlan M. Brown</i>			Client No. <i>98059-01</i>		No. of Containers <i>1</i>	<i>RIP</i> <i>W. H. P.</i>						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>Compressor Lube</i>	<i>12-1-99</i>	<i>14:00</i>	<i>G526</i>	<i>Soil</i>	<i>1</i>	<i>✓</i>						<i>Field PHE; Spilled</i>	
Relinquished by: (Signature) <i>Harlan M. Brown</i>			Date <i>12-1-99</i>	Time <i>14:50</i>	Received by: (Signature) <i>Chris M. Walk</i>						Date <i>12-1-99</i>	Time <i>14:50</i>	
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	<i>✓</i>		
										Cool - Ice/Blue Ice	<i>✓</i>		

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: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Halliburton Energy Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E. Main St 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:

Continuation of wash bay solids

RECEIVED
NOV 16 1999
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 11.15.99
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. Kent TITLE: Geologist DATE: 11/16/99
APPROVED BY: Monty J. [Signature] TITLE: Geologist DATE: 11/16/99



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Halliburton 4109 E Main Farmington, NM	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name): Same as above - Wash Bay Location of the Waste (Street address &/or ULSTR): Attach list of originating sites as appropriate	
4. Source and Description of Waste Continuation of Wash Bay Solids	

I, DOUG HODGES (Print Name) representative for:
Halliburton Energy Services do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Doug Hodges

Title: Maintenance Supervisor

Date: 11-12-99

ENVIROTECH INC.

PRactical SOLUTIONS FOR A BETTER TOMORROW

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 Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP

01/13/99

Printed Name

DOUGLAS HODGES

Title / Agency

MAINTENANCE SUP / HALLIBURTON

Address

4109 E MAIN

FARMINGTON NM

Signature

Douglas Hodges

Date

11-12-99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 28, 1999

Mr. Ed Shannon
Halliburton Energy Services, Inc.
4109 East Main Street
Farmington, New Mexico 87401

Project No.: 92132

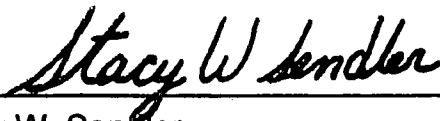
Dear Mr. Shannon,

Enclosed are the analytical results for the sample collected from the location designated as "East Main, Farmington-Wash Bay Solids". One soil sample was collected by Envirotech personnel on 01/13/99, and delivered to the Envirotech laboratory on 01/13/99 for Hazardous Waste Characterization analysis (Volatiles, Semi-Volatiles, Trace Metals, Corrosivity, Ignitability, and Reactivity).

The sample was documented on Envirotech Chain of Custody No. 6498 and assigned Laboratory No. E499 for tracking purposes. The sample was extracted on 01/18/99 and analyzed 01/18/99 through 01/27/99 using USEPA or equivalent methods.

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
Environmental Scientist/Laboratory Manager

enc.

SWS/sws

92132/tclp0199.lb1

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-15-99
Lab ID#:	E499	Date Sampled:	01-13-99
Sample Matrix:	Soil	Date Received:	01-13-99
Preservative:	Cool	Date Analyzed:	01-15-99
Condition:	Cool and Intact	Chain of Custody:	6498

Parameter	Result
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IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.98

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

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

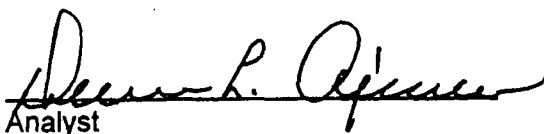
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

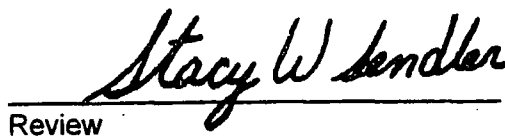
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: East Main, Farmington.


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:	01-19-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-19-99
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

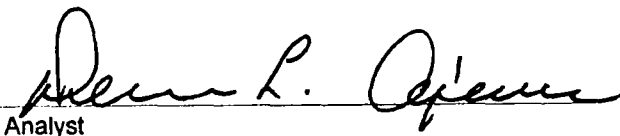
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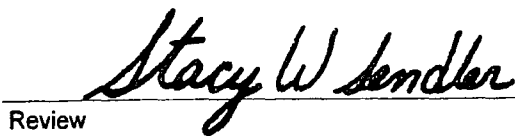
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: East Main, Farmington.


Analyst


Review

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.123	0.020	200
p,m-Cresol	0.054	0.040	200
2,4,6-Trichlorophenol	0.060	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	0.556	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%

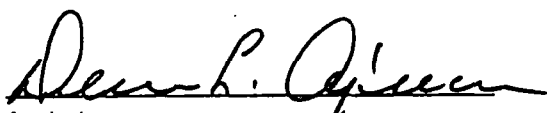
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: East Main, Farmington.


Analyst


Review

425

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-22-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	0.054	0.020	5.0
Hexachloroethane	0.353	0.020	3.0
Nitrobenzene	0.202	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

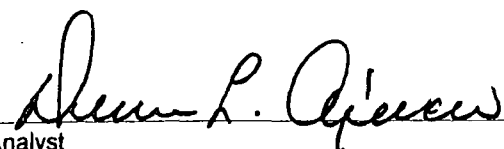
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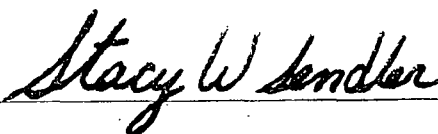
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

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: East Main, Farmington.


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:	01-23-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Analyzed:	01-23-99
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	1.53	0.001	21
Cadmium	0.0329	0.0001	0.11
Chromium	0.0301	0.0001	0.60
Lead	0.0309	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

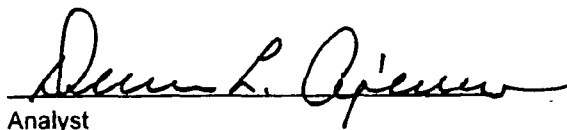
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: East Main, Farmington.


Analyst


Review

CHAIN OF CUSTODY RECORD

6498

Client / Project Name HALLIBURTON			Project Location EAST main FARMINGTON		ANALYSIS / PARAMETERS									
Sampler: Mari D. Young			Client No. 92132		No. of Containers 1	TCLP w/o H&P							Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix										
Wash Box Solids	1/13/99	12:10	E499	Soil		<input checked="" type="checkbox"/>								
Relinquished by: (Signature) Mari D. Young			Date 1/13/99	Time 12:30	Received by: (Signature) Christ Loretto							Date 1-13-99	Time 12:30	
Relinquished by: (Signature)					Received by: (Signature)									
Relinquished by: (Signature)					Received by: (Signature)									
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt			
												Y	N	N/A
											Received Intact	<input checked="" type="checkbox"/>		
											Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>		

District I - (505) 393-6161
P.O. Box 1980
Rabbs, 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: 99043

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>Harlan Brown Compression</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Unit <i>71453</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>TBA</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>1280 Texas King Rd. Farmington</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:

Soil Contaminated w/ Engine lube oil

TCLP ATTACHED

RECEIVED
NOV 16 1999
OIL CON. DIV.
DIST. 3

Estimated Volume *4 drums* cy Known Volume (to be entered by the operator at the end of the haul) *3 drums* cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Manager* DATE: *11.12.99*
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. Feunt* TITLE: *Geologist* DATE: *11/16/99*
APPROVED BY: *Monty G. Kelly* TITLE: *Environmental Geologist* DATE: *11/16/99*



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6170 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: HANOVER COMPRESSOR CO. 1280 TROT KLINE RD. FARMINGTON N.M. 87401	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 IIS Hwy 64, Farmington, NM 87401
3. Originating Site (name): UNIT 71453	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste NAUT. GAS FNB. CATCO 30WT. OIL	

I, GEORGE PHILLIPS representative for:
(Print Name)

HANOVER COMPRESSOR CO. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): George Phillips

Title: EMISSION SPECIALIST

Date: 11/10/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

October 25, 1999

Mr. George Phillips
Hanover Compression, Inc.
1280 Troy King Road
Farmington, New Mexico 87401

(505) 325-3220

Client No.: 99043
Job No.: 904302

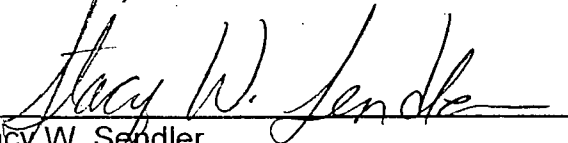
Dear Mr. Phillips,

Enclosed are the analytical results for the sample collected from the location designated as "71453". One soil sample was collected by Hanover Compression personnel on 10/07/99, and delivered to the Envirotech laboratory on 10/07/99 for Hazardous Waste Characterization analysis (TCLP Volatiles, Semi-volatiles, Trace Metals, Ignitability, Reactivity and Corrosivity).

The sample was documented on Envirotech Chain of Custody No. 7420 and assigned Laboratory No. G168 (2 Barrel Comp.) for tracking purposes. The sample was extracted on 10/11/99 and analyzed 10/11/99 through 10/22/99 using USEPA or equivalent methods.

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 for any of your future environmental contracting needs.

Respectfully submitted,
Envirotech, Inc.


Stacy W. Sandler
Environmental Scientist/Laboratory Manager

enclosure

SWS\sws\99043-02.lb1/wpd

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Hanover Compression	Project #:	904302
Sample ID:	4 Barrel Composite	Date Reported:	10-14-99
Lab ID#:	G168	Date Sampled:	10-07-99
Sample Matrix:	Soil	Date Received:	10-07-99
Preservative:	Cool	Date Analyzed:	10-11-99
Condition:	Cool and Intact	Chain of Custody:	7420

Parameter	Result
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IGNITABILITY:	Negative	
CORROSIVITY:	Negative	pH = 8.19
REACTIVITY:	Negative	

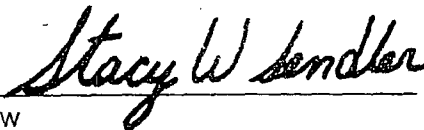
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: 71453.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Hanover Compression	Project #:	904302
Sample ID:	4 Barrel Composite	Date Reported:	10-14-99
Laboratory Number:	G168	Date Sampled:	10-07-99
Chain of Custody:	7420	Date Received:	10-07-99
Sample Matrix:	TCLP Extract	Date Extracted:	10-11-99
Preservative:	Cool	Date Analyzed:	10-12-99
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)	0.0086	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0295	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.

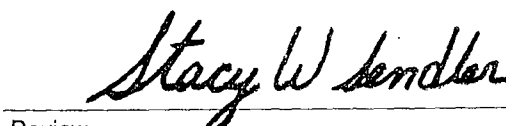
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: 71453.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040 PHENOLS

Client:	Hanover Compression	Project #:	904302
Sample ID:	4 Barrel Composite	Date Reported:	10-15-99
Laboratory Number:	G168	Date Sampled:	10-07-99
Chain of Custody:	7420	Date Received:	10-07-99
Sample Matrix:	TCLP Extract	Date Extracted:	10-11-99
Preservative:	Cool	Date Analyzed:	10-14-99
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	0.078	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%

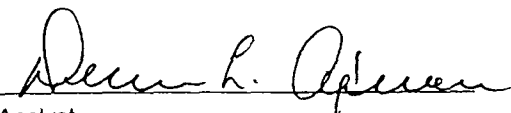
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: 71453.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Hanover Compression	Project #:	904302
Sample ID:	4 Barrel Composite	Date Reported:	10-15-99
Laboratory Number:	G168	Date Sampled:	10-07-99
Chain of Custody:	7420	Date Received:	10-07-99
Sample Matrix:	TCLP Extract	Date Extracted:	10-11-99
Preservative:	Cool	Date Analyzed:	10-14-99
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

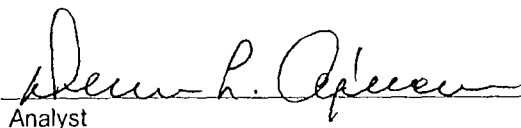
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	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: 71453.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Hanover Compression	Project #:	904302
Sample ID:	4 Barrel Composite	Date Reported:	11-05-99
Laboratory Number:	G168	Date Sampled:	10-07-99
Chain of Custody:	7420	Date Received:	10-07-99
Sample Matrix:	TCLP Extract	Date Analyzed:	11-04-99
Preservative:	Cool	Date Extracted:	10-11-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.134	0.001	5.0
Barium	0.498	0.001	21
Cadmium	0.088	0.001	0.11
Chromium	0.031	0.001	0.60
Lead	0.527	0.001	0.75
Mercury	0.0071	0.0005	0.025
Selenium	0.108	0.001	5.7
Silver	0.028	0.001	0.14

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

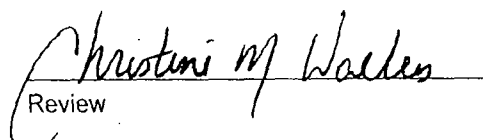
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: 71453.


Analyst


Review

CHAIN OF CUSTODY RECORD

7420

Client / Project Name <i>HANOVER COMPRESSION</i>			Project Location <i>71453</i>		ANALYSIS / PARAMETERS								
Sampler: <i>GEORGE PHILLIPS</i>			Client No. <i>904302</i>		No. of Containers <i>1</i>	<i>TECP w/ HSP</i>						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>4 ppb. 2 barrel Comp.</i>	<i>10.7.99</i>	<i>8:51</i>	<i>G1168</i>	<i>Soil</i>	<i>1</i>	<i>✓</i>							
Relinquished by: (Signature) <i>George Phillips</i>			Date <i>10.7.99</i>	Time <i>9:00</i>	Received by: (Signature) <i>Don L. Cyler</i>					Date <i>10.7.99</i>	Time <i>9:10</i>		
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	<i>✓</i>		
										Cool - Ice/Blue Ice	<i>✓</i>		

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
1000 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

Reader File

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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Foust 11-1-99 verbal 9:45</i>	4. Generator <i>EPFS</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>STATION 2B-3B ANGEL PARK SITE 2</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>Moss Excavating</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. <input checked="" type="radio"/> All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

petroleum hydrocarbon contaminated soil from a leaking condensate tank

11/4/99 12121 4245 0-13 21 cy (Truck #7 Moss Excavating)

Estimated Volume 30 cy Known Volume (to be entered by the operator at the end of the haul) 21 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 10.30.99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(Leave space for State Use)

APPROVED BY: <u><i>Denny G. Foust</i></u>	TITLE: <u>Geologist</u>	DATE: <u>12/3/99</u>
APPROVED BY: <u><i>Charlie T. Ferris</i></u>	TITLE: <u>Field Rep</u>	DATE: <u>12/3/99</u>

Denny Faust
11.1.99
9:45 AM.

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Station 2B-3B (Angel Peak Site 2)	Location of Waste(Street address &/or ULSTR): Unit C - Section 8 - T27N - R10W, San Juan County, NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Hydrocarbon contaminated soil from leaking condensate storage tank	



I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: October 29, 1999

District I - (505) 393-6161
P.O. Box 1780
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

NOV 04 1999
Environmental Bureau
Oil Conservation Division
Env. JN:

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>Smith Drilling & Completions</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <i>Shop</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>Serrano's</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>3650 Bloomfield Ave Farmington, N.M.</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 oil/water separator sludge disposal

RECEIVED
NOV - 8 1999

OIL CON. DIV.
DIST. 3

RECEIVED
NOV - 1 1999

OIL CON. DIV.
DIST. 3

went to Serrano's 12/7 4/12/01

Estimated Volume 18 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: 10-27-99
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: 11/2/99

APPROVED BY: Marta TITLE: Env. JN

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: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	4. Generator <u>Smith Drilling & Completions</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Skof</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>Serrano's</u>
7. Location of Material (Street Address or ULSTR)	8. State <u>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:

Continuation of oil/water separator sludge disposal

RECEIVED
NOV - 1 1999
OIL CON. DIV.
DIST. 3

Estimated Volume ± 18 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: 10-27-99
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. Feunt TITLE: Geologist DATE: 11/2/99

APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6170 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <u>Smith International Drilling & Completions</u> <u>3650 Bloom Field Hwy.</u> <u>Farmington, NM 87401</u>	2. Destination Name: <u>Envirotech Inc.</u> <u>Soil Remediation Remediation Facility</u> <u>Landfarm #2, Hilltop, New Mexico</u> <u>5796 US Hwy 64, Farmington, NM 87401</u>
3. Originating Site (name): <u>S.A.A.</u> <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste <u>Wash bay Solids Oil/Water Separator</u> <u>Continuation</u>	

I, Eppie Sanchez representative for:
(Print Name)

Smith International Drilling & Completions do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Eppie Sanchez

Title: District Manager FAR-1191

Date: 10-27-99

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 Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP 10.27.98
Printed Name Eppie Stuckert
Title / Agency District Mgr.
Address 3650 Bloomfield blwy
Farmington, NM
Signature Eppie Stuckert
Date 10.27.99

Analytical Results

**Smith Drilling and Completions
3650 Bloomfield Highway
Farmington, NM**

CLIENT: SMITH INTERNATIONAL
Project: SD & C Farmington, NM
Lab Order: 9810105

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

The sludge sample was evaluated for hazardous waste characteristics using Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

The stormwater sample was evaluated using Standard Methods and EPA Methods for Chemical Analysis of Water and Wastes.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives except where otherwise noted in the following.: The MS/MSD result for barium is slightly above the control limit. This was due to the fact that the TCLP extract being spiked had approximately twice the concentration of barium present than the spiking amount. The spike was only 6% above the control limit and the LSC and LCSD are both within control limits. Therefore no sample result was adversely affected.

WASTE EVALUATION

The sludge sample SL-1-SDC-NM (DHL ID# 9810105-01) had no results that exceeded TCLP or RCRA characterization limits and is therefore, non-hazardous for the parameters tested under the RCRA guidelines.



FLASHPOINT ANALYTICAL RESULTS

DHL PROJECT # : 9810105
CLIENT: Smith International, Inc.
CLIENT PROJECT # : N/A
LOCATION: SD & C Farmington, NM

Ignitability (Flashpoint) Analyses of Solid

ANALYTICAL METHOD:	EPA 1010	SAMPLE DATE:	10/27/98
MATRIX:	Solid	SAMPLE REC'D:	10/27/98
ANALYST:	DL	SAMPLE CONDITION:	GOOD
REPORT GENERATED BY:	LB	ANALYSIS DATE:	11/7/98
QA REVIEW:	JD	HOLDING TIME (DAYS):	11
SAMPLE ID:	SL-1-SDC-NM		
Flashpoint	> 90 ° C		


Data Review

DHL Analytical

Date: 19-Nov-98

CLIENT: SMITH INTERNATIONAL

Client Sample ID: SL-1-SDC-NM

Project Name: SD & C Farmington, NM

Lab ID: 9810105-01A

Project No: SD & C Farmington, NM

Collection Date: 10/27/98 9:15:00 AM

Lab Order: 9810105

Matrix: SLUDGE

Analyses	Result	RL	Qual	Units	TCLP Limits	DF	Date Analyzed
TCLP SEMI-VOLATILES		SW1311/8270C					Analyst: FL
1,4-Dichlorobenzene	ND	0.010		mg/L	7.5	1	11/17/98 7:56:00 PM
2,4,5-Trichlorophenol	ND	0.010		mg/L	400	1	11/17/98 7:56:00 PM
2,4,6-Trichlorophenol	ND	0.010		mg/L	2	1	11/17/98 7:56:00 PM
2,4-Dinitrotoluene	ND	0.010		mg/L	0.13	1	11/17/98 7:56:00 PM
2-Methylphenol	0.0132	0.010		mg/L	200	1	11/17/98 7:56:00 PM
3&4-Methylphenol	0.0148	0.010		mg/L	200	1	11/17/98 7:56:00 PM
Hexachlorobenzene	ND	0.010		mg/L	0.13	1	11/17/98 7:56:00 PM
Hexachlorobutadiene	ND	0.010		mg/L	0.5	1	11/17/98 7:56:00 PM
Hexachloroethane	ND	0.010		mg/L	3	1	11/17/98 7:56:00 PM
Nitrobenzene	ND	0.010		mg/L	2	1	11/17/98 7:56:00 PM
Pentachlorophenol	ND	0.010		mg/L	100	1	11/17/98 7:56:00 PM
Pyridine	ND	0.010		mg/L	5	1	11/17/98 7:56:00 PM
TCLP VOLATILES		SW1311/8260B					Analyst: FL
1,1-Dichloroethene	ND	0.0050		mg/L	0.7	1	11/4/98 5:35:00 PM
1,2-Dichloroethane	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
1,4-Dichlorobenzene	ND	0.0050		mg/L	7.5	1	11/4/98 5:35:00 PM
2-Butanone	ND	0.050		mg/L	200	1	11/4/98 5:35:00 PM
Benzene	0.00504	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Carbon tetrachloride	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Chlorobenzene	ND	0.0050		mg/L	100	1	11/4/98 5:35:00 PM
Chloroform	ND	0.0050		mg/L	6	1	11/4/98 5:35:00 PM
Tetrachloroethene	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Trichloroethene	ND	0.0050		mg/L	0.5	1	11/4/98 5:35:00 PM
Vinyl chloride	ND	0.0050		mg/L	0.2	1	11/4/98 5:35:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds TCLP Maximum Concentration Level

DHL Analytical

Date: 19-Nov-98

CLIENT: SMITH INTERNATIONAL

Client Sample ID: SL-1-SDC-NM

Project Name: SD & C Farmington, NM

Lab ID: 9810105-01B

Project No: SD & C Farmington, NM

Collection Date: 10/27/98 9:15:00 AM

Lab Order: 9810105

Matrix: SLUDGE

Analyses	Result	RL	Qual	Units	TCLP Limits	DF	Date Analyzed
TCLP MERCURY		SW1311/7470A					Analyst: BZ
Mercury	0.0641	0.020		mg/L	0.2	1	11/4/98 1:10:00 PM
TCLP METALS		SW1311/6010B					Analyst: BZ
Arsenic	ND	0.016		mg/L	5	1	11/4/98 4:03:00 PM
Barium	2.01	0.0060		mg/L	100	5	11/4/98 4:31:00 PM
Cadmium	ND	0.0029		mg/L	1	1	11/4/98 4:03:00 PM
Chromium	ND	0.012		mg/L	5	1	11/4/98 4:03:00 PM
Lead	0.0570	0.014		mg/L	5	1	11/4/98 4:03:00 PM
Selenium	ND	0.013		mg/L	1	1	11/4/98 4:03:00 PM
Silver	ND	0.0072		mg/L	5	1	11/4/98 4:03:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds TCLP Maximum Concentration Level

DHL Analytical

Date: 18-Nov-98

CLIENT: SMITH INTERNATIONAL

Client Sample ID: SL-1-SDC-NM

Project Name: SD & C Farmington, NM

Lab ID: 9810105-01B

Project No: SD & C Farmington, NM

Collection Date: 10/27/98 9:15:00 AM

Lab Order: 9810105

Matrix: SLUDGE

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PH SOIL		SW9045B				Analyst: JV
pH	7.58	0		pH Units	1	11/3/98 9:50:00 AM

Qualifiers:

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

* - Value exceeds Maximum Contaminant Level

DHL Analytical

Date: 18-Nov-98

CLIENT: SMITH INTERNATIONAL

Client Sample ID: SW-1-SDC-NM

Project Name: SD & C Farmington, NM

Lab ID: 9810105-02B

Project No: SD & C Farmington, NM

Collection Date: 10/27/98 8:45:00 AM

Lab Order: 9810105

Matrix: AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
TOTAL SUSPENDED SOLIDS		E160.2				Analyst: JA
Suspended Solids (Residue, Non-Filterable)	240	5.0		mg/L	1	11/3/98 4:00:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Austin Analytical Laboratory
2401 Holly Street
P. O. Box 1088
Austin, TX 78767-8814
(512) 505-7840
FAX: 505-7843

November 9, 1998

Jacob Vasquez

DHL Analytical
2300 Double Creek Drive
Round Rock, Texas 78664
Phone: 388-8222, Fax: 388-8229

Enclosed is the laboratory report for the following sample batch:

Sample Batch ID: 98104493
Job Number: DHLANAL
Date Submitted: 10/29/98 11:10
Submitted by: Cindy Taylor
Received by: E. Dudak-Pawlik
Sampler:

The attached analysis results were determined in accordance with the referenced test methods. If you have any question concerning this laboratory report, please contact us at (512) 505-7842.

Sincerely,



Larry K. Mutschler
Acting Laboratory Supervisor
Austin Analytical Laboratory

enclosures

Laboratory Report

Report Date: Monday, November 09, 1998

Client ID	SL-1-SDC-NM (9810105-01C)				
Lab Sample ID	98104493 - 24493		Collection Date	10/27/98	9:15:00 AM
Date Submitted	10/29/98	11:10:00 AM	Sampler		
Submitted by	Cindy Taylor		Sample Matrix	SLUDGE	
Received by	E. Dudak-Pawlik		QC Sample ID	AA14537	
Parameter Name	Result(s)	Units	Reference	Analysis Date	Reporting Limit
Reactive cyanide	179	mg/Kg as HCN	SW846.7.3	11/6/98	25
Reactive sulfide	< 50	mg/Kg as H2S	SW846.7.3	11/6/98	50

Client ID	SW-1-SDC-NM (9810105-02A)				
Lab Sample ID	98104493 - 24494		Collection Date	10/27/98	8:45:00 AM
Date Submitted	10/29/98	11:10:00 AM	Sampler		
Submitted by	Cindy Taylor		Sample Matrix	Water	
Received by	E. Dudak-Pawlik		QC Sample ID	AA14538	
Parameter Name	Result(s)	Units	Reference	Analysis Date	Reporting Limit
Total Phosphate	5.84	mg/L as P	SM4500P	10/29/98	0.196

Client ID	SW-1-SDC-NM (9810105-02C)				
Lab Sample ID	98104493 - 24495		Collection Date	10/27/98	8:45:00 AM
Date Submitted	10/29/98	11:10:00 AM	Sampler		
Submitted by	Cindy Taylor		Sample Matrix	Water	
Received by	E. Dudak-Pawlik		QC Sample ID	AA14539	
Parameter Name	Result(s)	Units	Reference	Analysis Date	Reporting Limit
Oil and Grease	5.5	mg/L	E1664	11/4/98	2.9

QC Report for sample batch: 98104493

Reactive cyanide

QC Batch Number: CN-RX-1162

Analysis Date: 11/06/98

QC Sample ID: AA14537

Method blank	< 0.004	mg HCN
Laboratory control standard	6.64	mg HCN
Laboratory control standard measurement	5.25	mg HCN
Laboratory control standard recovery	79.1	% Recovery

Oil and Grease

QC Batch Number: O&G_SP-1146

Analysis Date: 11/04/98

QC Sample ID: AA14569

Method blank	< 2.9	mg/L
Laboratory control standard	40.0	mg/L
Laboratory control standard measurement	36.8	mg/L
Laboratory control standard recovery	92.0	% Recovery
Matrix spike added	40.0	mg/L
Matrix spiked sample result	39.2	mg/L
Matrix spike recovery	98.0	% Recovery

Reactive sulfide

QC Batch Number: S-RX-1161

Analysis Date: 11/06/98

QC Sample ID: AA14537

Method blank	< 0.0013	mg H ₂ S
Laboratory control standard	22.7	mg H ₂ S
Laboratory control standard measurement	21.4	mg H ₂ S
Laboratory control standard recovery	94.3	% Recovery

Total Phosphate aqueous

QC Batch Number: TPO4-1121

Analysis Date: 10/29/98

QC Sample ID: AA14502

Method blank	< 0.02	mg/L as P
Laboratory control standard	0.163	mg/L as P
Laboratory control standard measurement	0.163	mg/L as P
Laboratory control standard recovery	100	% Recovery
Laboratory control standard duplicate	0.163	mg/L as P
Laboratory control standard duplicate measurement	0.157	mg/L as P
Laboratory control standard duplicate recovery	96.3	% Recovery
LCS/LCSD relative percent deviation	3.77	RPD

QC Report for sample batch: 98104493

Total Phosphate aqueous

QC Batch Number: TPO4-1123

Analysis Date: 10/29/98

QC Sample ID: AA14538

Matrix spike added	3.26	mg/L as P
Matrix spiked sample result	9.14	mg/L as P
Matrix spike recovery	101	% Recovery
Matrix duplicate	6.00	mg/L as P
Matrix duplicate relative percent deviation	2.70	RPD

Unspiked sample results:

<u>Analysis parameter</u>	<u>Result</u>	<u>Units</u>	<u>QC Sample ID</u>
Oil and Grease	< 2.9	mg/L	AA14569
Total Phosphate	5.84	mg/L as P	AA14538

CHAIN OF CUSTODY RECORD

Holly Street Laboratory
2401 Holly Street
Austin, TX 78702
(512) 505-7840 FAX (512) 505-7843

Client DHL Analytical
Sampler _____
Contact Jacob Vazquez

Date 10-29-98

Page 1 of 1

☐ Cost Tracking Incident

W.O. Number

Batch Number

9810493

Sample I.D./Description

Matrix

Date/Time
Collected

Analysis Request

TAT
Request

Lab I.D.

SL-1-SDC-NM (9810105-01C)

Sludge

10-27-98 9:15AM

Reactivity

1/wk

24493

SW-1-SDC-NM (9810105-02A)

Water

10-27-98 8:45AM

Total Phosphorus

1/wk

24494

SW-1-SDC-NM (9810105-02C)

Water

10-27-98 8:45AM

1664

1/wk

24495

List possible sample hazards

1. Relinquished by C. Taylor of DHL Date/Time 10/29/98 11:10AM
2. Received by AAI of AAI Date/Time 10/29/98 11:10am
3. Relinquished by _____ of _____ Date/Time _____
4. Received by _____ of _____ Date/Time _____
5. Relinquished by _____ of _____ Date/Time _____
6. Received by _____ of _____ Date/Time _____

Tests Available:

PCB, TPH, Pb, Fe, Cu, Ca, O&G,
TSS, COD, TOC, pH, Conductivity,
PLM, PCM

Matrix Types:

Water, Oil, Soil, Paint, Wipe, Filter,
Sludge, Bulk

TAT Request

Priority 1 - 48 hr
Priority 2 - 72 hr
Priority 3 - 2 wk

Am

CLIENT: SMITH INTERNATIONAL
 Work Order: 9810105
 Project: SD & C Farmington, NM

QC SUMMARY REPORT

Method Blank

Sample ID: MB-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 3:29:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	16							
Barium	ND	1.3							
Cadmium	ND	2.9							
Chromium	ND	12							
Lead	ND	14							
Selenium	ND	13							
Silver	ND	7.2							

Sample ID: MB-2255 Batch ID: 2255 Test Code: SW8260B Units: µg/L
 Run ID: GCMS2_981104A Analysis Date: 11/4/98 4:41:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	5							
1,2-Dichloroethane	ND	5							
1,4-Dichlorobenzene	ND	5							
2-Butanone	ND	50							
Benzene	ND	5							
Carbon tetrachloride	ND	5							
Chlorobenzene	ND	5							
Chloroform	ND	5							
Tetrachloroethene	ND	5							
Trichloroethene	ND	5							
Vinyl chloride	ND	5							

Sample ID: MB-2256 Batch ID: 2256 Test Code: SW1311/7470 Units: mg/L
 Run ID: CVAA_981104A Analysis Date: 11/4/98 1:10:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.02							

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

Project: SD & C Farmington, NM

Method Blank

Prep Date: 11/6/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	ND	0.01							
2,4,5-Trichlorophenol	ND	0.01							
2,4,6-Trichlorophenol	ND	0.01							
2,4-Dinitrotoluene	ND	0.01							
2-Methylphenol	ND	0.01							
3&4-Methylphenol	ND	0.01							
Hexachlorobenzene	ND	0.01							
Hexachlorobutadiene	ND	0.01							
Hexachloroethane	ND	0.01							
Nitrobenzene	ND	0.01							
Pentachlorophenol	ND	0.01							
Pyridine	ND	0.01							

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
Work Order: 9810105
Project: SD & C Farmington, NM

QC SUMMARY REPORT

Sample Duplicate

Sample ID: 9810117-01E DUP	Batch ID: TSS_W-11/03/98	Test Code: E160.2	Units: mg/L						
	Run ID: WC_981103B	Analysis Date: 11/3/98 4:00:00 PM	Prep Date:						
Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	42	5	0	0.0%	0	0	6.9%	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
 Work Order: 9810105
 Project: SD & C Farmington, NM

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID: 9810105-01B MS Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 4:11:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1.054	0.016	1	105.4%	80	120			
Cadmium	0.981	0.0029	1	98.1%	80	120			
Chromium	0.8832	0.012	1	88.3%	80	120			
Lead	0.9112	0.014	1	85.4%	80	120			
Selenium	1.119	0.013	1	111.9%	80	120			
Silver	1.119	0.0072	1	111.9%	80	120			

Sample ID: 9810105-01B MS Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 4:39:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	3.271	0.0065	1	126.1%	80	120			S

Sample ID: 9810105-01B MSD Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 4:19:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1.052	0.016	1	105.2%	80	120	0.2%	15	
Cadmium	0.9785	0.0029	1	97.9%	80	120	0.3%	15	
Chromium	0.883	0.012	1	88.3%	80	120	0.0%	15	
Lead	0.928	0.014	1	87.1%	80	120	1.8%	15	
Selenium	1.122	0.013	1	112.2%	80	120	0.3%	15	
Silver	1.08	0.0072	1	108.0%	80	120	3.6%	15	

Sample ID: 9810105-01B MSD Batch ID: 2252 Test Code: SW1311/6010 Units: mg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 4:51:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Barium	3.268	0.0065	1	125.8%	80	120	0.1%	15	S

Sample ID: 9811001-01A MS Batch ID: 2255 Test Code: SW8260B Units: µg/L
 Run ID: GCMS2_981104A Analysis Date: 11/4/98 8:16:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.38	5	50	104.8%	75	125			
Benzene	50.28	5	50	100.6%	75	125			
Chlorobenzene	52.91	5	50	105.8%	75	125			
Toluene	48.03	5	50	96.1%	75	125			
Trichloroethene	52.02	5	50	104.0%	75	125			

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
Work Order: 9810105
Project: SD & C Farmington, NM

QC SUMMARY REPORT
Sample Matrix Spike Duplicate

Sample ID: 9811001-01A MSD Batch ID: 2255 Test Code: SW8260B Units: µg/L
Run ID: GCMS2_981104A Analysis Date: 11/4/98 8:43:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	51.53	5	50	103.1%	75	125	1.6%	20	
Benzene	49.4	5	50	98.8%	75	125	1.8%	20	
Chlorobenzene	52.41	5	50	104.8%	75	125	0.9%	20	
Toluene	46.94	5	50	93.9%	75	125	2.3%	20	
Trichloroethene	51.32	5	50	102.6%	75	125	1.4%	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
 Work Order: 9810105
 Project: SD & C Farmington, NM

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 3:37:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1104	16	1000	110.4%	80	120			
Barium	1079	1.3	1000	107.9%	80	120			
Cadmium	1077	2.9	1000	107.7%	80	120			
Chromium	1034	12	1000	103.4%	80	120			
Lead	1093	14	1000	109.3%	80	120			
Selenium	1163	13	1000	116.3%	80	120			
Silver	1139	7.2	1000	113.9%	80	120			

Sample ID: LCSD-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 3:45:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	1122	16	1000	112.2%	80	120	1.6%	15	
Barium	1093	1.3	1000	109.3%	80	120	1.3%	15	
Cadmium	1098	2.9	1000	109.8%	80	120	2.0%	15	
Chromium	1077	12	1000	107.7%	80	120	4.1%	15	
Lead	1094	14	1000	109.4%	80	120	0.1%	15	
Selenium	1171	13	1000	117.1%	80	120	0.6%	15	

Sample ID: LCSD-2252 Batch ID: 2252 Test Code: SW6010B Units: µg/L
 Run ID: ICP_981104A Analysis Date: 11/4/98 3:55:00 PM Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Silver	1118	7.2	1000	111.8%	80	120	1.8%	15	

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

CLIENT: SMITH INTERNATIONAL
Work Order: 9810105
Project: SD & C Farmington, NM

QC SUMMARY REPORT

Laboratory Control Spike - generic

Sample ID: LCS-2255	Batch ID: 2255	Test Code: SW8260B	Units: µg/L
	Run ID: GCMS2_981104A	Analysis Date: 11/4/98 4:14:00 PM	Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,1-Dichloroethene	52.05	5	50	104.1%	75	125			
1,2-Dichloroethane	53.01	5	50	106.0%	75	125			
1,4-Dichlorobenzene	52.44	5	50	104.9%	75	125			
2-Butanone	182	50	200	91.0%	50	150			
Benzene	52.37	5	50	104.7%	75	125			
Carbon tetrachloride	54	5	50	108.0%	75	125			
Chlorobenzene	53.91	5	50	107.8%	75	125			
Chloroform	51.56	5	50	103.1%	75	125			
Tetrachloroethene	53.61	5	50	107.2%	75	125			
Trichloroethene	54.56	5	50	109.1%	75	125			
Vinyl chloride	58.02	5	50	116.0%	75	125			

Sample ID: LCS-2256	Batch ID: 2256	Test Code: SW1311/7470	Units: mg/L
	Run ID: CVAA_981104A	Analysis Date: 11/4/98 1:10:00 PM	Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	4.666	0.02	5	93.3%	77	120			

Sample ID: LCSD-2256	Batch ID: 2256	Test Code: SW1311/7470	Units: mg/L
	Run ID: CVAA_981104A	Analysis Date: 11/4/98 1:10:00 PM	Prep Date: 11/4/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	4.373	0.02	5	87.5%	77	120	6.5%	15	

Sample ID: LCS-2270	Batch ID: 2270	Test Code: SW1311/8270	Units: mg/L
	Run ID: GCMS3_981117A	Analysis Date: 11/17/98 6:50:00 PM	Prep Date: 11/6/98

Analyte	Result	PQL	SPK value	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	0.03	0.01	0.04	75.0%	40	140			
2,4,5-Trichlorophenol	0.0308	0.01	0.04	77.0%	40	140			
2,4,6-Trichlorophenol	0.0338	0.01	0.04	84.5%	40	140			
2,4-Dinitrotoluene	0.018	0.01	0.04	45.0%	40	140			
2-Methylphenol	0.0288	0.01	0.04	72.0%	40	140			
3&4-Methylphenol	0.0664	0.01	0.08	83.0%	40	140			
Hexachlorobenzene	0.0348	0.01	0.04	87.0%	40	140			
Hexachlorobutadiene	0.0332	0.01	0.04	83.0%	40	140			
Hexachloroethane	0.0244	0.01	0.04	61.0%	40	140			
Nitrobenzene	0.0336	0.01	0.04	84.0%	40	140			
Pentachlorophenol	0.0412	0.01	0.04	103.0%	40	140			
Pyridine	0.0474	0.01	0.04	118.5%	40	140			

Qualifiers: ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits	R - RPD outside accepted recovery limits B - Analyte detected in the associated Method Blank
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Spreadsheet

**Smith Drilling and Completions
3650 Bloomfield Highway
Farmington, NM**

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

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: 99067-01

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Donny Faust 10-8-99 15:10.</i>	4. Generator <i>Playa Minerals & Energy</i> 5. Originating Site <i>HGU well #230</i> 6. Transporter <i>Envirotech</i> 8. State <i>New Mexico - UNZ</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	
7. Location of Material (Street Address or ULSTR)	<i>SW SW Sec 35; T31N R16W.</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 a crude oil upset on location.

RECEIVED
NOV - 1 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 5 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: 10-18-99
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><i>Donny Faust</i></u>	TITLE: <u>Geologist</u>	DATE: <u>11/3/99</u>
APPROVED BY: <u><i>P. Busch</i></u>	TITLE: <u></u>	DATE: <u></u>



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: PLAYA Minerals & Energy, Inc. 650 N. Sam Houston Pkwy. E. #500 Houston, Texas 77060	2. Destination Name: EnviroTech, Inc. Soil Remediation - Remediation Facility 5796 U.S. Hwy. 64, Farmington, NM 87401
3. Originating Site (name): Central Resources, Inc. Horseshoe Gallup Well #230 SW 1/4 SW 1/4, Sec. 35 T31N R16W Ute Mountain Ute Reservation Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTRI):
4. Source and Description of Waste Flowline ruptured HGU Well #230 contaminating approx. 4 to 5 yds. of soil with approx. 1 bbl of produced crude oil.	

I, Mark L. Ehrman representative for:
(Print Name)

PLAYA Minerals & Energy, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

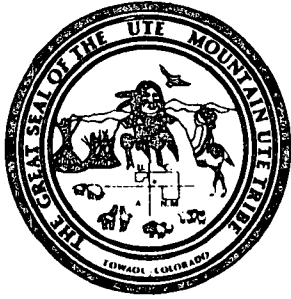
☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): [Signature]

Title: Regulatory & Environmental

Date: 10/08/99



UTE MOUNTAIN UTE TRIBE

P.O. Box 248
Towaoc, Colorado 81334-0248
(970) 565-3751

October 8, 1999



OCT 12 1999

ENVIROTECH INC.

Mark Ehrman
Playa Minerals and Energy Inc.
650 North Sam Houston Parkway E., Suite 500
Houston, TX 77060

Re: Notification of Transportation of Petroleum Contaminated Soil - Exempt
Central Resources Horseshoe Gallup Unit -SW ¼, SW ¼ Section 35, T 31 N, R 16 W
Ute Mountain Ute Reservation

Dear Mr. Ehrman:

Thank you for notifying the Ute Mountain Ute Environmental Programs Department of the transportation of oil field waste from the above referenced site to an approved disposal site in New Mexico. It is our understanding that petroleum contaminated soil will be removed to the Envirotech disposal facility in Farmington, New Mexico.

Certification may be required by the State of New Mexico Oil Conservation Commission (NMOCD) from your company, the transporter or the generator. Transportation of this waste may be subject to other state and federal laws. The Ute Mountain Ute Tribe accepts no liability associated with the disposal of this waste.

Sincerely,

Cindy Crist, Director
Environmental Programs Department
Ute Mountain Ute Tribe

Cc: Harlan Brown, Envirotech
Gordon Hammond, Ute Energy Department
Ilyse Auringer, BLM

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
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District III - (505) 334-6178
Rio Brazos Road
Alamogordo, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

OCT 18 1999 Submit Original
Plus 1 Copy
Environmental Bureau to appropriate
District Office

Env. JN:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator: <u>Stewart & Stinson</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Main Yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Serrano's</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>1515 W. Murray Dr. Farmington</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:

Waste by Solids
TCLP Attached.

Compressor Overhauling 1527

Never Hauled DG 7 4/12/01

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 Manager DATE: 10-8-99
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 B. Furt TITLE: Geologist DATE: 10/8/99
APPROVED BY: Martyn J. Furt TITLE: Environmental Geologist DATE: 10/18/99

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

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Env. JN: _____

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Stewart & Stevenson</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Main Yard</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>Serrano's</u>
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BRIEF DESCRIPTION OF MATERIAL:

Waste by Solids

TCLP Attached.

Compressor Overhauling DBZ

RECEIVED
OCT - 6 1999
OIL CON. DIV.
DIST. 2

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 Manager DATE: 10-6-99
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. Hunt TITLE: Geologist DATE: 10/8/99

APPROVED BY: _____ TITLE: _____ DATE: _____



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
GOVERNOR

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6170 Fax (505) 334-6170

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Stewart & Stevenson Power Inc. 1515 West Murray Drive Farmington, NM 87401	2. Destination Name: Envirotech Inc. Soil Remediation Remediation Facility Landfarm #2, Hilltop, New Mexico 5796 US Hwy 64, Farmington, NM 87401
3. Originating Site (name): Stewart & Stevenson Power Inc. 1515 West Murray Drive Farmington, NM 87401 <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Wash Bay Sludge Pit	

I, Dale Stevens (Print Name) representative for:
Stewart & Stevenson Power Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Dale Stevens

Title: Branch Manager

Date: 10/6/99



**ANALYTICAL RESULTS
FOR**


Stewart & Stevenson Power
1515 W. Murray Drive
Farmington, New Mexico 87401
Attn: Dale Stevens

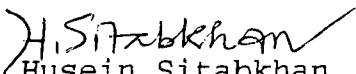
Name of Collector : Wayne Work

<u>ASSIGNED TRANS-ENVIRO #</u>	<u>CUSTOMER ID</u>	<u>SAMPLE MATRIX</u>	<u>SITE, DATE & TIME OF COLLECTION</u>
990125-04-A	---	Sludge	Farmington, New Mexico P.O. #452135

Laboratory Information : Sample was refrigerated upon receipt
and analyzed as received.

**Released by:
TRANS-ENVIRO ANALYTICAL SERVICES, INC.**


Mark Kalmeyer
Lab Manager


Husein Sitabkhan
President/Lab Director

Laboratory Accreditation's and Certifications

OHIO EPA DIVISION of DRINKING and GROUNDWATER - 4041
PA Dept. of ENVIRONMENTAL RESOURCES - 68-434
NEW YORK STATE Dept. of HEALTH - 11167
STATE of TENNESSEE Div. of UNDERGROUND STORAGE TANKS
ALABAMA Dept. of ENVIRONMENTAL MANAGEMENT - 41020
KENTUCKY Dept. of ENVIRONMENTAL PROTECTION - 90085
STATE of MICHIGAN Dept. of PUBLIC HEALTH
WEST VIRGINIA Dept. of ENVIRONMENTAL PROTECTION- 238
AMERICAN INDUSTRIAL HYGIENE ASSOCIATION - 18677
OHIO Dept. of HEALTH LEAD PROGRAM - 10023

Assumed Client Responsibility and Disclaimer

Trans-Enviro Analytical Services, Inc. (TEAS) shall provide the services contained in accordance with good laboratory practice (GLP), and accepted analytical procedures and shall be free from material defect in workmanship. The analytical data is limited to findings based upon the sample received for analysis and/or information provided by the client. TEAS's sole obligation hereunder shall be to reperform services which are materially deficient because of TEAS's failure to perform said services in accordance with the Agreement and the standards of the laboratory analytical protocol. Any such deficiencies should be reported in writing to TEAS within thirty days of the discovery thereof, but in no event later than one year from the performance of the services by TEAS.

Except as aforementioned, TEAS makes no express or implied warranty of merchantability of fitness for a particular purpose on the services and/or related materials furnished by TEAS. In no event shall TEAS be liable for any indirect, special or consequential damages, nor shall TEAS be liable in any event, including its obligation to reperform, for any losses, damages or claims in excess of the amount paid to TEAS for the services performed.

Date : 02/02/99

Date Received : 01/25/99

Date Extracted: 01/27-29/99

Date Analyzed : 02/01/99

Analysis For : Stewart & Stevenson Power

TRANS-ENVIRO # : 990125-04-A

Customer I.D. : ---

TCLP CONTAMINANTS

<u>PARAMETER/(EPA HW No.¹)</u>	<u>DL mg/L</u>	<u>RL mg/L</u>	<u>RESULTS mg/L</u>
Benzene (D018)	0.05	0.5	0.072
Carbon tetrachloride (D019)	0.05	0.5	BDL
Chlorobenzene (D021)	0.05	100.0	BDL
Chloroform (D022)	0.05	6.0	BDL
o-Cresol (D023)	0.1	200.0	BDL
m&p-Cresol (D024) (D025)	0.2	200.0	BDL
Cresol, total (D026)	0.3	200.0	BDL
1,4-Dichlorobenzene (D027)	0.05	7.5	BDL
1,2-Dichloroethane (D028)	0.05	0.5	BDL
1,1-Dichloroethylene (D029)	0.05	0.7	BDL
2,4-Dinitrotoluene (D030)	0.1	0.13	BDL
Hexachlorobenzene (D032)	0.1	0.13	BDL
Hexachlorobutadiene (D033)	0.1	0.5	BDL
Hexachloroethane (D034)	0.1	3.0	BDL
Methyl ethyl ketone (D035)	0.5	200.0	BDL
Nitrobenzene (D036)	0.1	2.0	BDL
Pentachlorophenol (D037)	0.5	100.0	BDL
Pyridine (D038)	0.1	5.0	BDL
Tetrachloroethylene (D039)	0.05	0.7	BDL
Trichloroethylene (D040)	0.05	0.5	BDL
2,4,5-Trichlorophenol (D041)	0.1	400.0	BDL
2,4,6-Trichlorophenol (D042)	0.1	2.0	BDL
Vinyl chloride (D043)	0.05	0.2	BDL

DL = Detection Limit
RL = Regulatory Limit

BDL = Below Detection Limit
1 = Hazardous Waste Number

Method : EPA SW 846 (8260, 8270, 1311)

SURROGATE

TRANS-ENVIRO # : 990125-04-A

Customer I.D. : ---

<u>SURROGATE</u>	<u>% RECOVERY</u>	<u>% ACCEPTABLE LIMITS</u>
Volatile Organic Compounds		
Dibromofluoromethane	115	86 - 118
Toluene-d8	107	88 - 110
Bromofluorobenzene	103	86 - 115
Semi-Volatile Organic Compounds		
Nitrobenzene-d5	69	35 - 114
2-Fluorobiphenyl	62	43 - 116
Terphenyl-d14	69	33 - 141
2-Fluorophenol	99	25 - 100
Phenol-d6	71	11 - 94
2,4,6-Tribromophenol	66	16 - 123

Date : 02/02/99

Date Received : 01/25/99

Date Extracted: 01/27/99

Date Analyzed : 01/29/99

Analysis For : Stewart & Stevenson Power

TRANS-ENVIRO # : 990125-04-A

Customer I.D. : ---

**CHARACTERISTIC of TCLP
METALS**

<u>ELEMENT/ (EPA HW No.¹)</u>	<u>DL mg/L</u>	<u>RL mg/L</u>	<u>RESULTS mg/L</u>
Arsenic (D004)	0.336	5.0	BDL
Barium (D005)	0.015	100.0	1.63
Cadmium (D006)	0.027	1.0	BDL
Chromium (D007)	0.026	5.0	BDL
Lead (D008)	0.136	5.0	BDL
Mercury (D009)	0.0004	0.2	BDL
Selenium (D010)	0.397	1.0	BDL
Silver (D011)	0.009	5.0	BDL

RL = Regulatory Limit

DL = Detection Limit

BDL = Below Detection Limit

1 = Hazardous Waste Number

Methods : Extraction - EPA SW 846 (1311)
Mercury - EPA SW 846 (7470)
Other metals - EPA SW 846 (6010)

TRANS-ENVIRO ANALYTICAL SERVICES, INC.

19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

METHOD BLANK

TCLP CONTAMINANTS

<u>PARAMETER/ (EPA HW No.¹)</u>	<u>DL mg/L</u>	<u>RL mg/L</u>	<u>RESULTS mg/L</u>
Benzene (D018)	0.05	0.5	BDL
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Chloroform (D022)	0.05	6.0	BDL
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m&p-Cresol (D024) (D025)	0.2	200.0	BDL
Cresol, total (D026)	0.3	200.0	BDL
1,4-Dichlorobenzene (D027)	0.05	7.5	BDL
1,2-Dichloroethane (D028)	0.05	0.5	BDL
1,1-Dichloroethylene (D029)	0.05	0.7	BDL
2,4-Dinitrotoluene (D030)	0.1	0.13	BDL
Hexachlorobenzene (D032)	0.1	0.13	BDL
Hexachlorobutadiene (D033)	0.1	0.5	BDL
Hexachloroethane (D034)	0.1	3.0	BDL
Methyl ethyl ketone (D035)	0.5	200.0	BDL
Nitrobenzene (D036)	0.1	2.0	BDL
Pentachlorophenol (D037)	0.5	100.0	BDL
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DL = Detection Limit
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Method : EPA SW 846 (8260, 8270)

METHOD BLANK

SURROGATE RECOVERIES

<u>SURROGATE</u>	<u>% RECOVERY</u>	<u>% ACCEPTABLE LIMITS</u>
Volatile Organic Compounds		
Dibromofluoromethane	105	86 - 118
Toluene-d8	106	88 - 110
Bromofluorobenzene	90	86 - 115
Semi-Volatile Organic Compounds		
Nitrobenzene-d5	54	35 - 114
2-Fluorobiphenyl	41	43 - 116
Terphenyl-d14	57	33 - 141
2-Fluorophenol	58	25 - 100
Phenol-d6	40	11 - 94
2,4,6-Tribromophenol	32	16 - 123

METHOD BLANK

CHARACTERISTIC of TCLP
METALS

<u>ELEMENT/(EPA HW No.¹)</u>	<u>DL mg/L</u>	<u>RL mg/L</u>	<u>RESULTS mg/L</u>
Arsenic (D004)	0.336	5.0	BDL
Barium (D005)	0.015	100.0	BDL
Cadmium (D006)	0.027	1.0	BDL
Chromium (D007)	0.026	5.0	BDL
Lead (D008)	0.136	5.0	BDL
Mercury (D009)	0.0002	0.2	BDL
Selenium (D010)	0.397	1.0	BDL
Silver (D011)	0.009	5.0	BDL

RL = Regulatory Limit

DL = Detection Limit

BDL = Below Detection Limit

1 = Hazardous Waste Number

Methods : Mercury - EPA SW 846(7470)
Other metals - EPA SW 846(6010)

District I - (505) 393-6161
P. O. Box 195
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Williams Field Service</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Horse Canyon Reboiler</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>WFS</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>See 26, T30N, 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:

Certification of Reboiler Sludge

CCLP & Norans Analysis Attached.

RECEIVED
OCT 21 1999
OIL CON. DIV.
DIST. 3

RECEIVED
OCT 18 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 1661 cy Known Volume (to be entered by the operator at the end of the haul) 1631 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10.6.99
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. Feart TITLE: Geologist DATE: 10/8/99
APPROVED BY: Montague J. Voth TITLE: Environmental Geologist DATE: 10/18/99

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Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Horse Canyon Reboiler</u>
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BRIEF DESCRIPTION OF MATERIAL:

Continuation of Reboiler Sludge
TCLP & Norems Analysis Attached.
RECEIVED
OCT - 6 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 1661 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 10.6.99
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>Derry L. Reut</u>	TITLE: <u>Geologist</u>	DATE: <u>10/8/99</u>
APPROVED BY: _____	TITLE: _____	DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Williams Field Services 295 CHIPETA WAY SALT LAKE CITY, UTAH 84108	2. Destination Name: ENVULROTECH ; LANDFARM #2 5796 U.S. Hwy 64 Farmington, NM. 87401
3. Originating Site (name): Horse Canyon Reclaiming SEC 26 T30N R9W	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste REBoiler SLUDGE	

I, Bill Beevers (Print Name) representative for: Williams Field Service do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste
 ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

- ☒ MSDS Information
 ☐ Other (description):
- ☒ RCRA Hazardous Waste Analysis
- ☒ Chain of Custody

Name (Original Signature): Bill Beevers

Title: Depty Spec

Date: 9/29/99

PESCO

NORM SURVEY DATA SHEET

Facility / location: Williams Field Service
HORSE CANYON CDP Date: 9-29-99

Meter Model: DOSIMETER 3007A Serial No: 9808-238

Detector Model: DOSIMETER 3012 Serial No: 201-887-7100

Calibration Date: 4-5-99

Battery Check: (X)

Background Radiation Level: 0.03 mR/hr

Description of material surveyed:

WASTE Solids from Reboiler (Sludge)

Item / Material Surveyed:

Waste Material: 55 approx. gals

Equipment:

mR/hr: 0.03

Manufacturer: _____

Serial No: _____

Description: _____

Job No: _____

Comments:

Survey Conducted by:

GARY W HOWE

(Print Name)

Gary W Howe

(Signature)

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

March 5, 1999

Mr. Bill Beevers
Williams Field Service, Inc.
Manzanares District
P.O. Box 215
Bloomfield, NM 87413

(505) 320-4642
Fax (505) 632-4781

Project No.: 97050
Job No. : 705004


Dear Mr. Beevers,

Enclosed are the analytical results for one liquid sample collected from the location designated as "Horse Canyon". One liquid sample identified as "Waste Water" was collected by WFS designated personnel on 02/22/99, and delivered to the Envirotech laboratory on 02/22/99 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. 6615 and assigned Laboratory No. E696 for tracking purposes. The sample was analyzed 02/22/99 through 03/05/99 using USEPA or equivalent methods.

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

enclosure

SWS\sws\97050-04.lb2\wpd

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

Client:	Williams Field Service	Project #:	705004
Sample ID:	Waste Water	Date Reported:	03-03-99
Laboratory Number:	E696	Date Sampled:	02-22-99
Chain of Custody:	6615	Date Received:	02-22-99
Sample Matrix:	Water	Date Analyzed:	03-03-99
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	0.0473	0.0001	5.0
Barium	0.219	0.001	21
Cadmium	0.0083	0.0001	0.11
Chromium	0.0963	0.0001	0.60
Lead	0.0211	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	0.0171	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

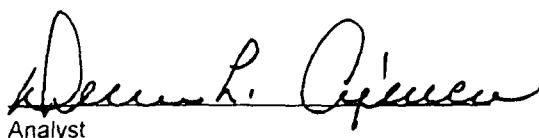
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

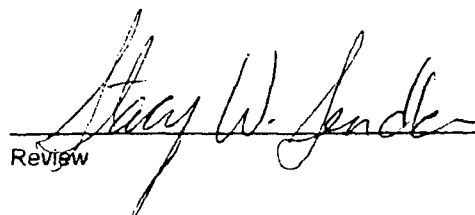
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Horse Canyon.**


Analyst


Review

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Williams Field Service	Project #:	705004
Sample ID:	Waste Water	Date Reported:	02-26-99
Lab ID#:	E696	Date Sampled:	02-22-99
Sample Matrix:	Water	Date Received:	02-22-99
Preservative:	Cool	Date Analyzed:	02-23-99
Condition:	Cool and Intact	Chain of Custody:	6615

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 6.87

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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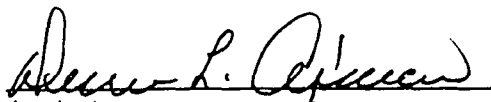
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

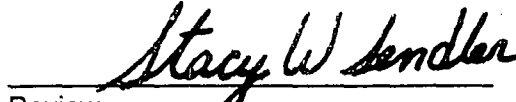
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Horse Canyon.


Analyst


Review

Client:	Williams Field Service	Project #:	705004
Sample ID:	Waste Water	Date Reported:	03-01-99
Laboratory Number:	E696	Date Sampled:	02-22-99
Chain of Custody:	6615	Date Received:	02-22-99
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	02-26-99
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)	0.637	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.303	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	0.0035	0.0003	0.5
Tetrachloroethene	0.0012	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.

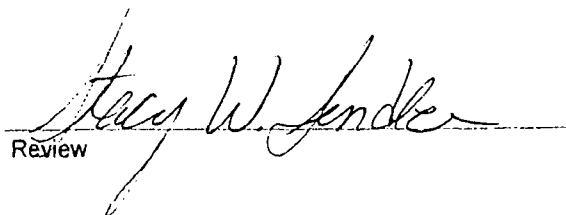
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: Horse Canyon.


Analyst


Review

Client:	Williams field Service	Project #:	705004
Sample ID:	Waste Water	Date Reported:	03-01-99
Laboratory Number:	E696	Date Sampled:	02-22-99
Chain of Custody:	6615	Date Received:	02-22-99
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-01-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	4.53	0.020	200
p,m-Cresol	6.08	0.040	200
2,4,6-Trichlorophenol	1.05	0.020	2.0
2,4,5-Trichlorophenol	17.1	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.

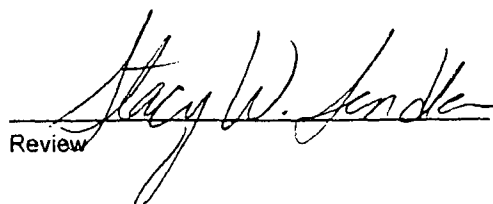
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: Horse Canyon.


Analyst


Review

Client:	Williams field Service	Project #:	705004
Sample ID:	Waste Water	Date Reported:	03-01-99
Laboratory Number:	E696	Date Sampled:	02-22-99
Chain of Custody:	6615	Date Received:	02-22-99
Sample Matrix:	Water	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-01-99
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	0.236	0.020	5.0
Hexachloroethane	0.350	0.020	3.0
Nitrobenzene	0.207	0.020	2.0
Hexachlorobutadiene	0.430	0.020	0.5
2,4-Dinitrotoluene	0.076	0.020	0.13
HexachloroBenzene	0.100	0.020	0.13

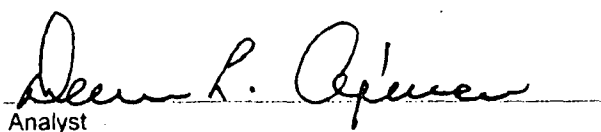
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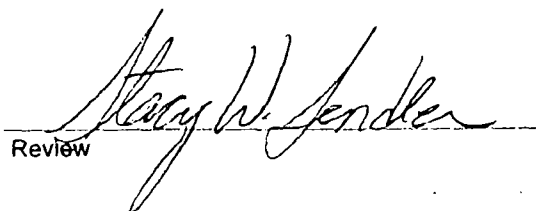
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	100%

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: Horse Canyon.


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL
DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-01-99
Laboratory Number:	02-26-TCV Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-26-99
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.

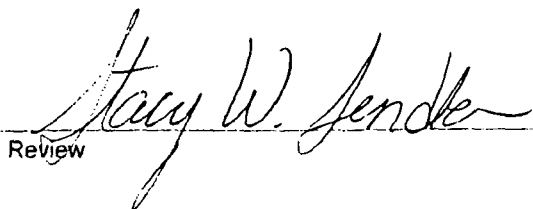
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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 E695 - E696.


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:	03-01-99
Laboratory Number:	02-22-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-26-99
Condition:	N/A	Date Extracted:	02-22-99
		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

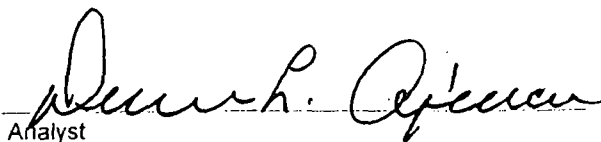
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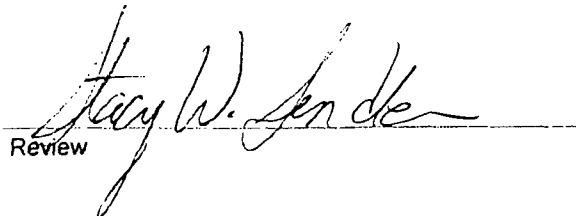
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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 samples E695 - E696.


Analyst


Review

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

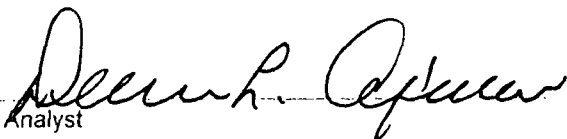
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-01-99
Laboratory Number:	E695	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	02-26-99
Condition:	N/A	Date Extracted:	N/A

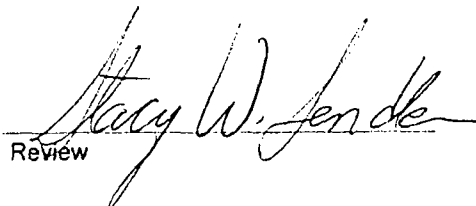
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
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 samples E695 - E696.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: E695
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

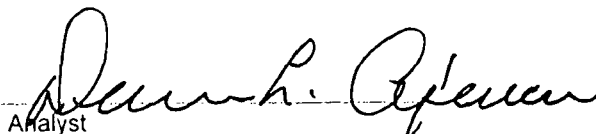
Project #: N/A
Date Reported: 03-01-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 02-26-99
Date Extracted: N/A


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	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 E695 - E696.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-01-99
Laboratory Number:	03-01-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-01-99
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	99 %

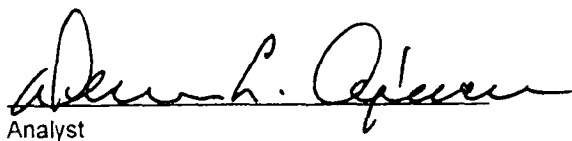
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

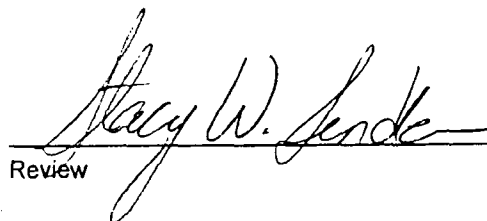
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E695 - E696.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	03-01-99
Laboratory Number:	02-22-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	02-22-99
Condition:	Cool & Intact	Date Analyzed:	03-01-99
		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%

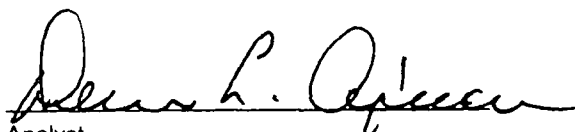
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

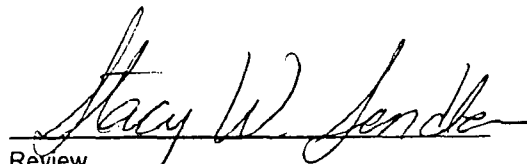
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E695 - E696.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-01-99
Laboratory Number:	E695	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	03-01-99
		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	0.708	0.701	0.020	1.0%
2,4,5-Trichlorophenol	0.222	0.219	0.020	1.1%
Pentachlorophenol	0.091	0.090	0.020	0.8%

ND - Parameter not detected at the stated detection limit.

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

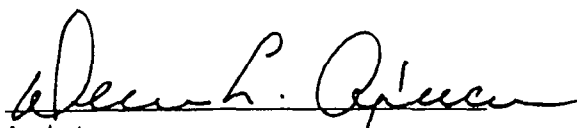
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

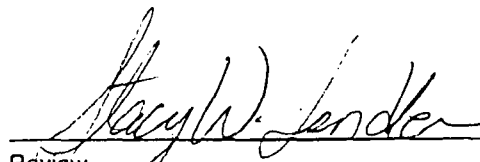
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 E695 - E696.


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:	03-01-99
Laboratory Number:	03-01-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:	03-01-99
		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

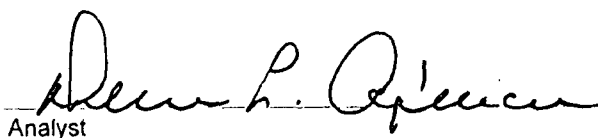
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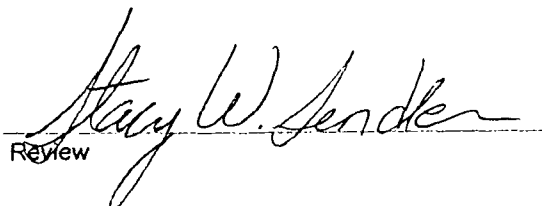
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	99%

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 E695 - E696.


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: 02-22-BN-MB
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 03-01-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 02-22-99
Date Analyzed: 03-01-99
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

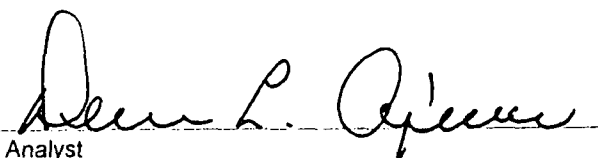
ND - Parameter not detected at the stated detection limit.

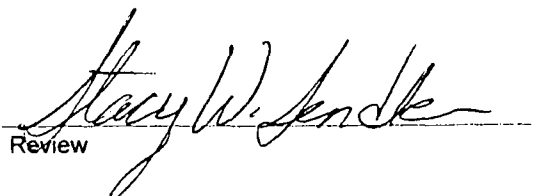
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	98%

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 E695 - E696.


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:	03-01-99
Laboratory Number:	E695	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	02-22-99
Condition:	N/A	Date Analyzed:	03-01-99
		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	0.056	0.055	1.0%	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

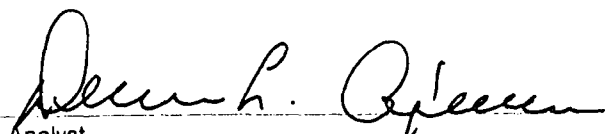
ND - Parameter not detected at the stated detection limit.

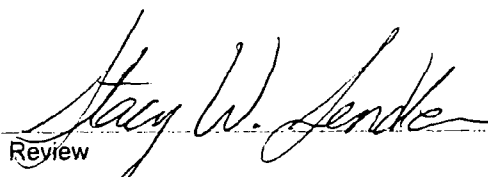
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 E695 - E696.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-03-TCM QA/QC	Date Reported:	03-03-99
Laboratory Number:	E695	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	03-03-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.0001	0.0437	0.0435	0.5%	0% - 30%
Barium	ND	ND	0.001	0.891	0.896	0.6%	0% - 30%
Cadmium	ND	ND	0.0001	0.0173	0.0174	0.6%	0% - 30%
Chromium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.0001	0.0149	0.0150	0.7%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	0.0315	0.0312	1.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.1000	0.0437	0.144	100.1%	80% - 120%
Barium	1.000	0.891	1.89	99.8%	80% - 120%
Cadmium	0.0500	0.0173	0.0672	99.9%	80% - 120%
Chromium	0.0500	ND	0.0498	99.6%	80% - 120%
Lead	0.1000	0.0149	0.115	99.9%	80% - 120%
Mercury	0.0250	ND	0.0249	99.6%	80% - 120%
Selenium	0.1000	0.0315	0.131	99.6%	80% - 120%
Silver	0.0500	ND	0.0498	99.6%	80% - 120%

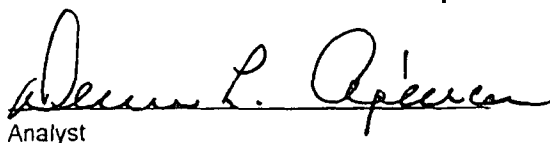
ND - Parameter not detected at the stated detection limit.

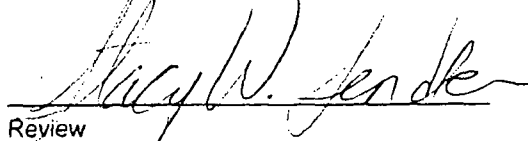
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E695, E696 and E755.


Analyst


Review

CHAIN OF CUSTODY RECORD

6615

Client / Project Name Williams Field Service			Project Location Horse Canyon		ANALYSIS / PARAMETERS								
Sampler: Bill Beavers			Client No. 97050-04		No. of Containers 8	TCLP w/o #1P ✓						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
WASTE WATER	2/22/99	1330	F696	Liquid									
Relinquished by: (Signature) Bill Beavers			Date 2/22/99	Time 1440	Received by: (Signature) Dennis L. Apicene			Date 2.22.99	Time 1440				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

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New Mexico
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Oil Conservation Division
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Donner Foot 9.29.99	4. Generator <u>NHOC</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>		5. Originating Site <u>Southwest Waste Disposal</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>		6. Transporter <u>Various EI Contractors</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.		N. 32. T32W R9W SEC. 14.

BRIEF DESCRIPTION OF MATERIAL:

Solids generated from cleanup of skimmer pit.

RECEIVED
OCT - 5 1999
OIL CON.
DIST.

Estimated Volume 1200 cy Known Volume (to be entered by the operator at the end of the haul) 160 bbls
2165 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9.29.99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Charlie T. Herr TITLE: Field Rep DATE: 10-6-99

APPROVED BY: E. K. Burch TITLE: Geologist DATE: 10-7-99



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505) 334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <i>Southwest Water Disposal under New Mexico Oil Conservation Division Contract. 2040 South Pacheco Santa Fe, NM</i>	2. Destination Name: <i>Envirotech Landfarm II</i>
3. Originating Site (name): <i>Southwest Water Disposal Skimmer Pit</i>	Location of the Waste (Street address &/or ULSTR): <i>N-32-30W-09W San Juan County, New Mexico</i>
Attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Solids from produced water</i>	

I, Denny Foust representative for:
(Print Name)

New Mexico Oil Conservation Division do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature):

Denny Foust

Title:

Environmental Geologist

Date:

September 29, 1999

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Rio Brazos Road
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District IV - (505) 827-7131

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

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Faust 15:30 8.30.99</i>	4. Generator <u>Narco</u> 5. Originating Site <u>Narco Land</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	6. Transporter <u>PSC</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>2855 Southside River Rd. 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:

Continuation of disposal of scale & sludges generated during rehabbing & rebuilding oil & gas production equipment

RECEIVED
OCT - 1 1999
OIL CON. DIV.
DEPT 3

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8.30.99
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 Faust TITLE: Geologist DATE: 10/1/99
APPROVED BY: E. Busch TITLE: 2 DATE: 8

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Natco, 2855 Southside River RD	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Solids generated during the cleaning of oil and gas production equipment, at Natco's yard. Location of the Waste (Street address &/or ULSTR): <small>Attach list of originating sites as appropriate</small>	
4. Source and Description of Waste Contaminated dirt and sludge, from various locations see attached list.	

I, Richard L. Lusk representative for:
(Print Name)
National Tank Co. Farmington

do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste

☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

- ☐ MSDS Information
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

☐ Other (description):

Name (Original Signature):

Richard L. Lusk

Title:

Shop Foreman

Date:

8/30/99

8/30

Page 1



INSPECTION FOR N.O.R.M. CONTAMINATION

Location: Natco, Fmt. Yard Date: 8-30-99Survey instrument model: Mod. Ludlum 3-98 Last calibrated: 8-12-99Item description: Solid waste in BarrelsNumber of pieces: 7Location where items originated: Southside of BuildingBackground reading: 13.5 uR/hrHighest NORM reading: 18 uR/hr (corrected for background)Lowest NORM reading: 11 uR/hr (corrected for background)Any samples taken? If so, how many? None7 Pieces inspected.7 Pieces found to be free of NORM contamination.0 Pieces found to have NORM contamination.Remarks: All seven ~~Bar~~ Barrels are safe to moveInspector: Pete / GaleWhat is final disposition? O.K. to move

Released to: _____ Date: _____

18 - 3 Ft. westside Ground level	Above	Barrels
16 - 3 Ft. north side Ground level	15	11
15 - 3 Ft. southside Ground level	13	11.5
14.5 - 3 Ft. East side Ground level	14.5	14
	13.5	

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Donna Faust 9.16.99 15:30</i>	4. Generator <i>Robert L. Barless</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Tecito Dome General Truck Repair</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>LAL Oilfield Service</i>
7. Location of Material (Street Address or ULSTR)	8. State <i>New Mexico</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:

Spent Sulfate Treatment material

RECEIVED
OCT - 1 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 12 Cy. cy Known Volume (to be entered by the operator at the end of the haul) 12 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 9.16.99
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 Faust* TITLE: Geologist DATE: 10/1/99
APPROVED BY: *E. Bush* TITLE: DATE:

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: ROBERT L. BAYLESS, PRODUCER P.O. Box 168 FARMINGTON, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (Name): TUCITO DOME CENTRAL TANK BATTERY SECTION 20, T26N, R18W SAN JUAN COUNTY, NM.	Location of the Waste (Street address &/or U.S. STR.):
Attach list of originating sites as appropriate	
4. Source and Description of Waste WASTE IS SPENT CHEMICAL USED TO REMOVE HYDROGEN SULFIDE FROM NATURAL GAS. SULFATE TREAT CAN IRON PYRITE COMPOUND ON A CLAY MATRIX. SPENT CHEMICAL CONTAINS IRON SULFIDE. CHEMICAL LOOKS LIKE GREY DUSTY GRAVEL	

I, TOM MCCARTHY representative for:
ROBERT L. BAYLESS (Print Name)
do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)
☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):
☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Tam McCarthy
Title: ENGINEER
Date: 9/16/99

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Donny Faust 9-2-99 10:15</i>	4. Generator <u>EDFS</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>U.I. land #2</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	6. Transporter <u>TBA</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:

clean up of soil contaminated with produced water & hydrocarbons

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OIL CON. DIV.
DIST. 3

Estimated Volume 20 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: 9-3-99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Donny Faust TITLE: Geologist DATE: 10/1/99

APPROVED BY: E. Bush TITLE: --- DATE: ---

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Ulibarri #2 Gas Weel	Location of Waste(Street address &/or ULSTR): Unit O, Sec. 35, T30N, R9W. San Juan Co., New Mexico
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soil contaminated with produced water and hydrocarbons	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: Sept. 3, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Danny Faust 8-17-99 10:00 AM TO STAGE LF.</i>	4. Generator <i>PNM Gas Trans</i> 5. Originating Site <i>Transmission Line</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	6. Transporter <i>PNM</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>500' W of H.A.B., Hwy 64 Westside</i>
9. Circle One: <i>Sec 22 T 23N, R 6W</i> 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:

*Compressor oil contaminated soil generated @ a line
relocate*

BOC. 12073 LF 245 - Equipment staging area. 20 cy.

Estimated Volume 20 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: 8-20-99
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. Kent* TITLE: Geologist DATE: 10/1/99
APPROVED BY: *Monty G. Kirk* TITLE: Environmental Geologist DATE: 10/1/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Public Service Co of New Mexico 603 W. Elva Farmington, New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Transmission line leak Counselor's, NM <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): Sec 22 T23N R6W 500' N. of H.P. 98 west side of Hwy 44
4. Source and Description of Waste Compressor oil contaminated soil	

I, Tony Condellaria representative for: _____
 (Print Name)

_____ do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste
 ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☒ RCRA Hazardous Waste Analysis RCR & TCEP materials
☒ Chain of Custody

Name (Original Signature): [Signature]

Title: CREWMAN II

Date: 8-17-99

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	PNM	Project #:	310801
Sample ID:	S - 1	Date Reported:	08-18-99
Lab ID#:	F928	Date Sampled:	08-17-99
Sample Matrix:	Soil	Date Received:	08-17-99
Preservative:	Cool	Date Analyzed:	08-18-99
Condition:	Cool and Intact	Chain of Custody:	7283

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 8.44

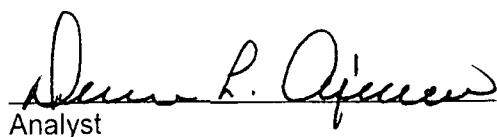
REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Trans Line Counselor's, NM. Landfarm #2 Staging Area.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	PNM	Project #:	3108-01
Sample ID:	S - 1	Date Reported:	08-19-99
Laboratory Number:	F928	Date Sampled:	08-17-99
Chain of Custody:	7283	Date Received:	08-17-99
Sample Matrix:	TCLP Extract	Date Analyzed:	08-19-99
Preservative:	Cool	Date Extracted:	08-17-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.0
Barium	0.80	0.01	21
Cadmium	ND	0.001	0.11
Chromium	ND	0.01	0.60
Lead	ND	0.05	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.001	5.7
Silver	ND	0.01	0.14

ND - Parameter not detected at the stated detection limit.

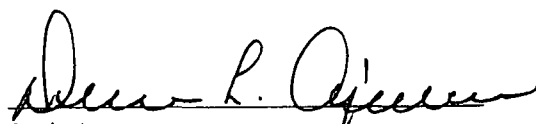
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.


Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Trans Line, Counselor's, NM. Landfarm #2 Staging Area.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-19-TCM QA/QC	Date Reported:	08-19-99
Laboratory Number:	F925	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	08-19-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.01	0.20	0.20	0.0%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.01	0.01	0.01	0.0%	0% - 30%
Lead	ND	ND	0.05	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.01	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.100	ND	0.098	98.0%	80% - 120%
Barium	1.00	0.20	1.20	100.0%	80% - 120%
Cadmium	0.500	ND	0.490	98.0%	80% - 120%
Chromium	0.50	0.01	0.51	100.0%	80% - 120%
Lead	2.00	ND	2.00	100.0%	80% - 120%
Mercury	0.0250	ND	0.0248	99.2%	80% - 120%
Selenium	0.100	ND	0.097	97.0%	80% - 120%
Silver	0.50	ND	0.49	98.0%	80% - 120%

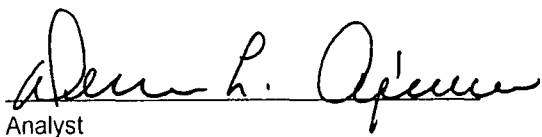
ND - Parameter not detected at the stated detection limit.


References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples F925, F928, F931, F934 and F922.


Analyst


Review

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

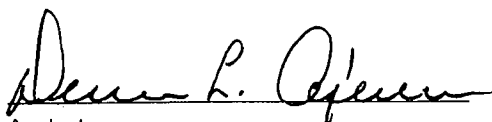
Client:	PNM	Project #:	310801
Sample ID:	S - 1	Date Reported:	08-18-99
Laboratory Number:	F928	Date Sampled:	08-17-99
Chain of Custody No:	7283	Date Received:	08-17-99
Sample Matrix:	Soil	Date Extracted:	08-17-99
Preservative:	Cool	Date Analyzed:	08-18-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	578	0.2
Diesel Range (C10 - C28)	847	0.1
Total Petroleum Hydrocarbons	1,420	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Trans Line, Counselor's, NM. Landfarm #2 Staging Area.


Analyst


Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-18-TPH QA/QC	Date Reported:	08-18-99
Laboratory Number:	F928	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-99
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	06-17-99	1.2099E-001	1.2089E-001	0.08%	0 - 15%
Diesel Range C10 - C28	06-17-99	4.3747E-002	4.3677E-002	0.16%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

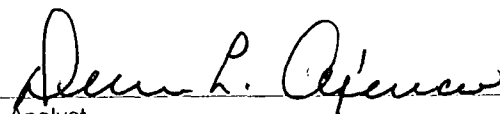
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	578	576	0.4%	0 - 30%
Diesel Range C10 - C28	847	844	0.3%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	578	250	826	100%	75 - 125%
Diesel Range C10 - C28	847	250	1,090	99%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for samples F928 - F930.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	PNM	Project #:	310801
Sample ID:	S - 1	Date Reported:	08-18-99
Laboratory Number:	F928	Date Sampled:	08-17-99
Chain of Custody:	7283	Date Received:	08-17-99
Sample Matrix:	Soil	Date Analyzed:	08-18-99
Preservative:	Cool	Date Extracted:	08-17-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2,050	8.8
Toluene	425	8.4
Ethylbenzene	5,380	7.6
p,m-Xylene	48,640	10.8
o-Xylene	16,160	5.2
Total BTEX	72,660	

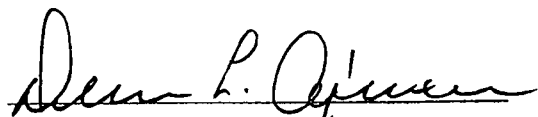
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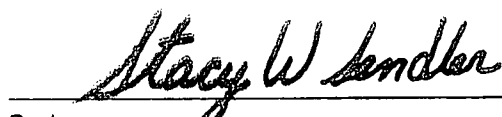
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Trans Line, Counselor's, NM. Landfarm #2 Staging Area.


Analyst


Review

Client:	N/A	Project #:	N/A
Sample ID:	08-18-BTEX QA/QC	Date Reported:	08-18-99
Laboratory Number:	F928	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-18-99
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	3.6219E-001	3.6306E-001	0.2%	ND	0.2
Toluene	2.7867E-002	2.7917E-002	0.2%	ND	0.2
Ethylbenzene	4.1931E-002	4.2019E-002	0.2%	ND	0.2
p,m-Xylene	3.6569E-002	3.6661E-002	0.3%	ND	0.2
o-Xylene	3.1955E-002	3.2010E-002	0.2%	ND	0.1

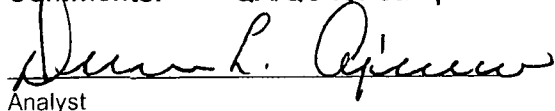
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	2,050	2,010	2.0%	0 - 30%	8.8
Toluene	425	414	2.6%	0 - 30%	8.4
Ethylbenzene	5,380	5,250	2.4%	0 - 30%	7.6
p,m-Xylene	48,640	47,480	2.4%	0 - 30%	10.8
o-Xylene	16,160	15,860	1.9%	0 - 30%	5.2

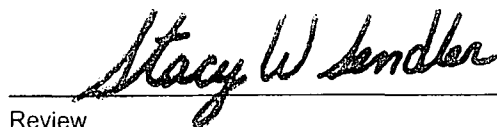
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2,050	50.0	2,100	100%	39 - 150
Toluene	425	50.0	474	100%	46 - 148
Ethylbenzene	5,380	50.0	5,420	100%	32 - 160
p,m-Xylene	48,640	100.0	48,640	100%	46 - 148
o-Xylene	16,160	50.0	16,180	100%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for sample F928.


Analyst


Review

CHAIN OF CUSTODY RECORD

7283

Client / Project Name <i>Trans Line</i> <i>PNM / Counselor's, NM</i>			Project Location <i>Landfarm #2</i> <i>Staging Area</i>		ANALYSIS / PARAMETERS								
Sampler: <i>James A. Cowles</i>			Client No. <i>93108-01</i>		No. of Containers <i>1</i>	PCRA <i>✓</i>	TECP -Metals <i>✓</i>	8015 TAP <i>✓</i>	8021 BTEX <i>✓</i>			Remarks	
Sample No./ Identification <i>S-1</i>	Sample Date <i>8-17-99</i>	Sample Time <i>12:30pm</i>	Lab Number <i>F928</i>	Sample Matrix <i>Soil</i>									
Relinquished by: (Signature) <i>James A. Cowles</i>			Date <i>8-17-99</i>	Time <i>1:30pm</i>	Received by: (Signature) <i>David L. Alfaro</i>			Date <i>8-17-99</i>	Time <i>13:30</i>				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. <hr/> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	<i>✓</i>		
										Cool - Ice/Blue Ice	<i>✓</i>		

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: 97057-

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>EPA</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>Kutz Camp. 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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>Kutz Plant</u> <u>SW/3 Sec 15, T29N, R12W</u> <u>Sandoval County, 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:

Clean up of lube oil spill from compressor engines

RECEIVED
OCT - 1 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 30 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 9.14.99
Waste Management Facility Authorized Agent
Harlan M. Brown
TYPE OR PRINT NAME: _____ TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Dennis Z. Faint TITLE: Geologist DATE: 10/1/99
APPROVED BY: Martinez J. Kirk TITLE: Environmental Geologist DATE: 10/1/99

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Kutz Plant	Location of Waste(Street address &/or ULSTR): SW/3 Section 15, T29N, R12W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Lube oil spill from compressor engines	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☐ **EXEMPT** Oilfield waste ☒ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☒ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: September 14, 1999

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

September 21, 1999

Mr. John Lambdin
El Paso Field Services
P.O. Box 4990
Farmington, New Mexico 87499

Project No.: 97057
Job No.: 705716

Dear Mr. Lambdin,

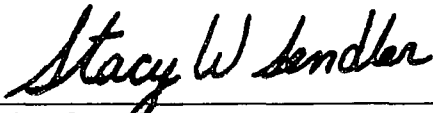
Enclosed are the analytical results for the samples collected from the location designated as "Kutz Compressor Station". One soil sample was collected by Envirotech personnel on 09/16/99, and received by the Envirotech laboratory on 09/16/99 for Hazardous Waste Characterization analysis (Volatiles, Semi-volatiles, Metals, Ignitability, Reactivity and Corrosivity).

The sample was documented on Envirotech Chain of Custody No. 7400 and assigned Laboratory No. G086 for tracking purposes.

The sample was extracted on 09/17/99 and analyzed 09/16/99 through 09/21/99 using USEPA or equivalent methods.

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. Sender
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

9705716lb1.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	EPFS	Project #:	705716
Sample ID:	Oil Stains @ C1 & C2	Date Reported:	09-17-99
Lab ID#:	G086	Date Sampled:	09-16-99
Sample Matrix:	Soil	Date Received:	09-16-99
Preservative:	Cool	Date Analyzed:	09-17-99
Condition:	Cool and Intact	Chain of Custody:	7400

Parameter	Result
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IGNITABILITY: Negative

CORROSIVITY: Negative pH = 7.78

REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
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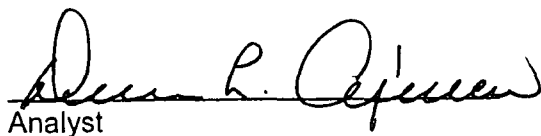
IGNITABILITY: Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21.
(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)

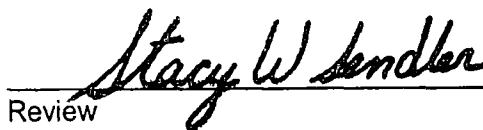
CORROSIVITY: Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22.
(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)

REACTIVITY: Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23.
(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Kutz Compressor Station.


Analyst


Review

Client:	EPFS	Project #:	705716
Sample ID:	Oil Stains @ C1 & C2	Date Reported:	09-20-99
Laboratory Number:	G086	Date Sampled:	09-16-99
Chain of Custody:	7400	Date Received:	09-16-99
Sample Matrix:	TCLP Extract	Date Extracted:	09-17-99
Preservative:	Cool	Date Analyzed:	09-20-99
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)	0.0059	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0131	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

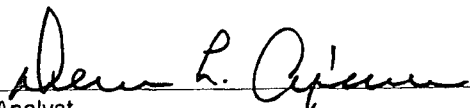
ND - Parameter not detected at the stated detection limit.


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: **Kutz Compressor Station.**


Analyst


Review

Client:	El Paso Field Services	Project #:	7057-16
Sample ID:	Oil Stains @ C1 & C2	Date Reported:	09-20-99
Laboratory Number:	G086	Date Sampled:	09-16-99
Chain of Custody:	7400	Date Received:	09-16-99
Sample Matrix:	TCLP Extract	Date Extracted:	09-17-99
Preservative:	Cool	Date Analyzed:	09-20-99
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%

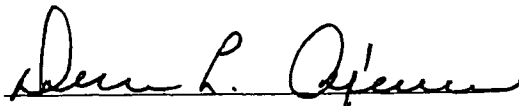
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: **Kutz Compressor Station.**


Analyst


Review

Client:	EPFS	Project #:	705716
Sample ID:	Oil Stains @ C1 & C2	Date Reported:	09-20-99
Laboratory Number:	G086	Date Sampled:	09-16-99
Chain of Custody:	7400	Date Received:	09-16-99
Sample Matrix:	TCLP Extract	Date Extracted:	09-17-99
Preservative:	Cool	Date Analyzed:	09-20-99
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

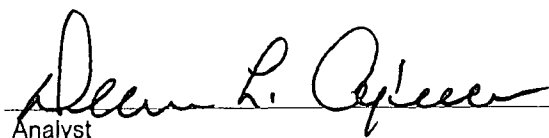
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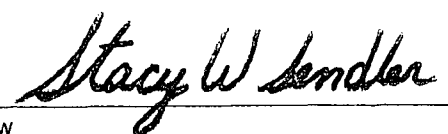
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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: Kutz Compressor Station.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	EPFS	Project #:	705716
Sample ID:	Oil Stains @ C1 & C2	Date Reported:	09-20-99
Laboratory Number:	G086	Date Sampled:	09-16-99
Chain of Custody:	7400	Date Received:	09-16-99
Sample Matrix:	TCLP Extract	Date Analyzed:	09-20-99
Preservative:	Cool	Date Extracted:	09-17-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.0
Barium	3.65	0.01	21
Cadmium	0.023	0.001	0.11
Chromium	ND	0.01	0.60
Lead	ND	0.05	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.001	5.7
Silver	ND	0.01	0.14

ND - Parameter not detected at the stated detection limit.

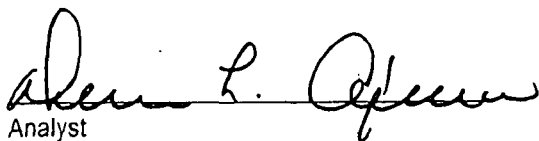
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

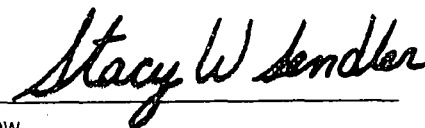
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Kutz Compressor Station.**


Analyst


Review

ENVROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-20-99
Laboratory Number:	09-20-TCLP Vol Blank	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-20-99
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

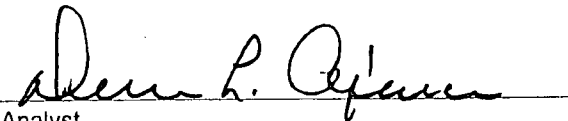
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	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 G086.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-20-99
Laboratory Number:	09-17-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-20-99
Condition:	N/A	Date Extracted:	09-17-99
		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	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 G086.


Analyst


Review

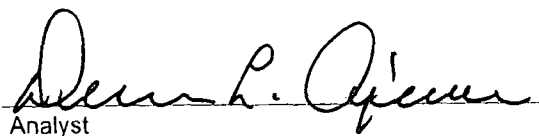
Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-20-99
Laboratory Number:	G086	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	09-20-99
Condition:	N/A	Date Extracted:	09-17-99

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)	0.0059	0.0059	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0131	0.0134	0.0001	2.8%
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 G086.


Analyst


Review

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

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: G086
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

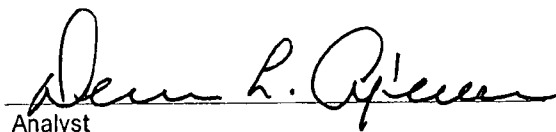
Project #: N/A
Date Reported: 09-20-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 09-20-99
Date Extracted: 09-17-99

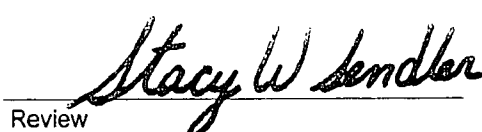
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0059	0.050	0.0554	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0131	0.050	0.0629	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 sample G086.


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:	09-20-99
Laboratory Number:	09-20-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-20-99
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	99 %

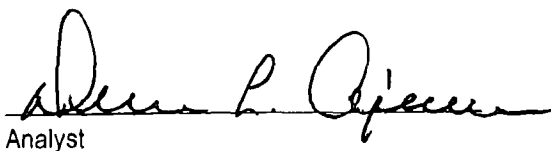
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for sample G086.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	09-20-99
Laboratory Number:	09-17-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	09-17-99
Condition:	Cool & Intact	Date Analyzed:	09-20-99
		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%

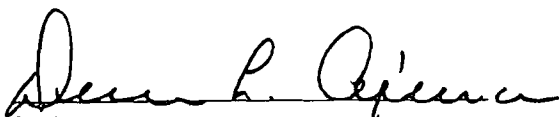
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.


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. 1986.

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

Comments: QA/QC for sample G086.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-20-99
Laboratory Number:	G086	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	09-20-99
		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%

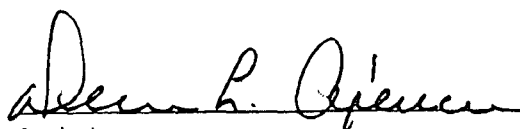
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

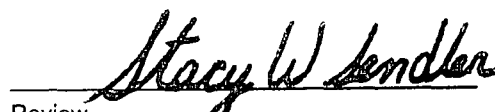
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 G086.


Analyst


Review

ENVIRONMENTAL 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: 09-20-BN-Blank
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 09-20-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 09-20-99
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

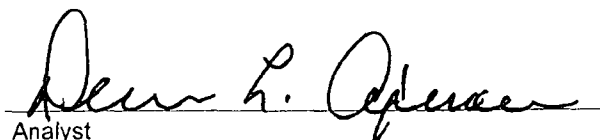
ND - Parameter not detected at the stated detection limit.

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 sample G086.


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: 09-17-BN-MB
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 09-20-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 09-17-99
Date Analyzed: 09-20-99
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 sample G086.


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: G086
Sample Matrix: TCLP Extract
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 09-20-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 09-17-99
Date Analyzed: 09-20-99
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

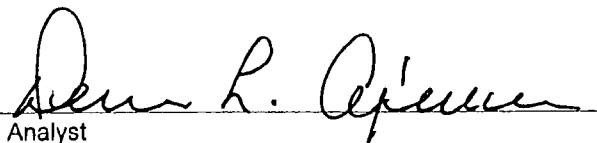
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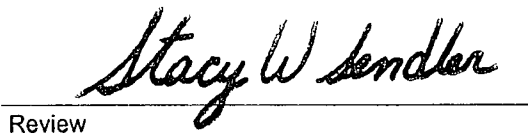
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 sample G086.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	09-20-TCM QA/QC	Date Reported:	09-20-99
Laboratory Number:	G086	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	09-20-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.01	3.65	3.65	0.0%	0% - 30%
Cadmium	ND	ND	0.001	0.023	0.022	4.3%	0% - 30%
Chromium	ND	ND	0.01	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.05	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.01	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.100	ND	0.098	98.0%	80% - 120%
Barium	1.00	3.65	4.64	99.8%	80% - 120%
Cadmium	0.500	0.023	0.522	99.8%	80% - 120%
Chromium	0.50	ND	0.50	100.0%	80% - 120%
Lead	0.50	ND	0.50	100.0%	80% - 120%
Mercury	0.0250	ND	0.0248	99.2%	80% - 120%
Selenium	0.100	ND	0.099	99.0%	80% - 120%
Silver	0.50	ND	0.49	98.0%	80% - 120%

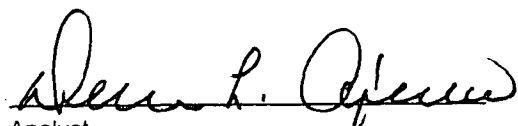
ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples G086 and G097 - G098.


Analyst


Review

CHAIN OF CUSTODY RECORD

7400

Client / Project Name EPFS.			Project Location Rutz Compressor Station		ANALYSIS / PARAMETERS							
Sampler: Harold M. Brown			Client No. 92057-16		No. of Containers 2	TCP w/o H&P						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
Oil Stains @ C1 & C2	9.16.99	13:45	G086	Soil								
Relinquished by: (Signature) Harold M. Brown			Date 9.16.99	Time 14:35	Received by: (Signature) Don L. O'Brien			Date 9.16.99	Time 14:35			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615							Sample Receipt					
								Y	N	N/A		
							Received Intact	<input checked="" type="checkbox"/>				
							Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>				

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: 98061-05

EXTRACT

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Halliburton</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>4109 E. Main St 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:

Disposal of used oil contaminated soil discovered @
buried unknown drum, Southeast corner of Facility.
TCLP Attached

RECEIVED
AUG 30 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 3-4 cy Known Volume (to be entered by the operator at the end of the haul) 5 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-24-99
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. Kent TITLE: Geologist DATE: 8/24/99

APPROVED BY: [Signature] TITLE: Envir DATE: 8/25/99

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: 98061-05

Extract

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator Harlan Brown
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site Main Yard
2. Management Facility Destination Envirotech Soil Remediation Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	4109 E. Main St 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:

Disposal of used oil contaminated soil discovered @ buried unknown drum, Southeast corner of Facility.
TCLP Attached

Estimated Volume 3-4 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8.24.99
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. Kent TITLE: Geologist DATE: 8/24/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

BMT 9806-05

1. Generator Name and Address: Halliburton Energy Services 4109 W. Main St. Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): S44	Location of the Waste (Street address &/or ULSR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste Petroleum Hydrocarbon Contaminated Soil generated during clean up of "unknown" drum at SE Corner of Facility.	

I, MARTY COX representative for: Halliburton (Print Name)
 do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

Name (Original Signature): Marty Cox
 Title: Geologist
 Date: 8-24-99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

August 16, 1999

Mr. Marty Cox
Entact - Halliburton Farmington
1616 Corporate Court #150
Irving, Texas 75038

Project No.: 98061-05

Dear Mr. Cox,

Enclosed are the analytical results for the samples collected from the location designated as "Halliburton Main Yard". Two soil samples were collected by Envirotech personnel on 08/04/99, and received by the Envirotech laboratory on 08/04/99 for Hazardous Waste Characterization analysis (TCLP Volatile Organics, Semi-volatile Organics, Trace Metals, Corrosivity, Reactivity, and Ignitability) and Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015.

The samples were documented on Envirotech Chain of Custody No. 7260 and assigned Laboratory Nos. F815 (SE Corner Stockpile) and F816 (SE Corner Pit) for tracking purposes.

The samples were analyzed 08/05/99 through 08/10/99 using USEPA or equivalent methods.

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. Sender
Environmental Scientist/Laboratory Manager

enc.

SWS\sws

98061-05.lb1/wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Entact	Project #:	806105
Sample ID:	SE Corner Stockpile	Date Reported:	08-06-99
Lab ID#:	F815	Date Sampled:	08-04-99
Sample Matrix:	Soil	Date Received:	08-04-99
Preservative:	Cool	Date Analyzed:	08-06-99
Condition:	Cool and Intact	Chain of Custody:	7260

Parameter	Result
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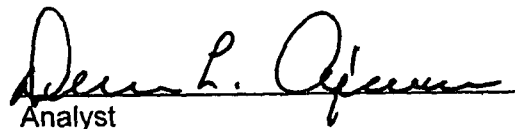
IGNITABILITY:	Negative	
CORROSIVITY:	Negative	pH = 6.79
REACTIVITY:	Negative	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Halliburton Main Yard. Unknown Drum Soil.


Analyst


Review

Client:	Entact	Project #:	806105
Sample ID:	SE Corner Stockpile	Date Reported:	08-10-99
Laboratory Number:	F815	Date Sampled:	08-04-99
Chain of Custody:	7260	Date Received:	08-04-99
Sample Matrix:	TCLP Extract	Date Extracted:	08-06-99
Preservative:	Cool	Date Analyzed:	08-10-99
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)	0.0014	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0035	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

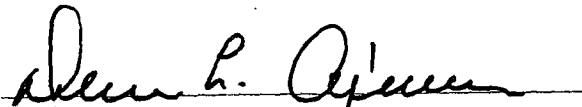
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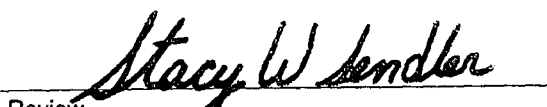
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: SE Corner Stockpile. Unknown Drum Soil.


 Analyst


 Review

Client:	Entact	Project #:	806105
Sample ID:	SE Corner Stockpile	Date Reported:	08-10-99
Laboratory Number:	F815	Date Sampled:	08-04-99
Chain of Custody:	7260	Date Received:	08-04-99
Sample Matrix:	TCLP Extract	Date Extracted:	08-06-99
Preservative:	Cool	Date Analyzed:	08-10-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.054	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%

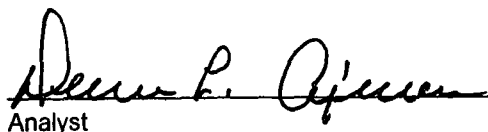
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

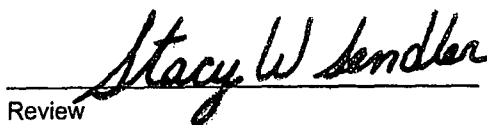
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: Halliburton Main Yard. Unknown Drum Soil.


Analyst


Review

Client:	Entact	Project #:	806105
Sample ID:	SE Corner Stockpile	Date Reported:	08-10-99
Laboratory Number:	F815	Date Sampled:	08-04-99
Chain of Custody:	7260	Date Received:	08-04-99
Sample Matrix:	TCLP Extract	Date Extracted:	08-06-99
Preservative:	Cool	Date Analyzed:	08-10-99
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

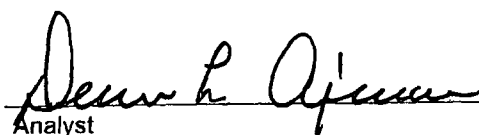
ND - Parameter not detected at the stated detection limit.

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: Halliburton Main Yard. Unknown Drum Soil.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Entact	Project #:	806105
Sample ID:	SE Corner Stockpile	Date Reported:	08-10-99
Laboratory Number:	F815	Date Sampled:	08-04-99
Chain of Custody:	7260	Date Received:	08-04-99
Sample Matrix:	TCLP Extract	Date Analyzed:	08-10-99
Preservative:	Cool	Date Extracted:	08-06-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.0
Barium	1.36	0.01	21
Cadmium	ND	0.001	0.11
Chromium	0.01	0.01	0.60
Lead	0.20	0.05	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.001	5.7
Silver	ND	0.01	0.14

ND - Parameter not detected at the stated detection limit.

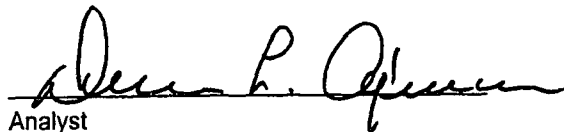
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Halliburton Main Yard. Unknown Drum Soil.


Analyst


Review

ENVIRONMENTAL CHOLBS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-10-99
Laboratory Number:	08-10-TCLP Vol	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-10-99
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

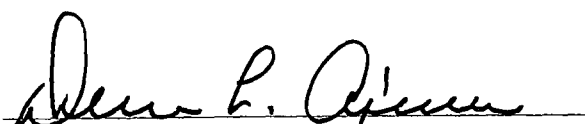
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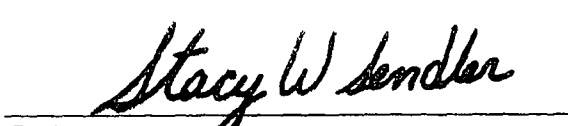
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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: QA/QC for samples F814 - F815.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-10-99
Laboratory Number:	08-06-TCLP Vol	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-10-99
Condition:	N/A	Date Extracted:	08-06-99
		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

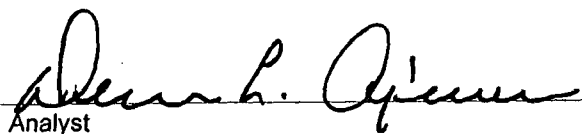
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	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 samples F814 - F815.


 Analyst


 Review

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: F814
Sample Matrix: Water
Analysis Requested: TCLP
Condition: N/A

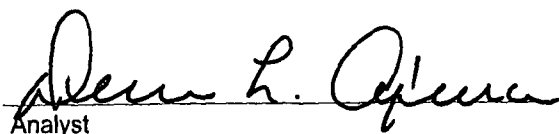
Project #: N/A
Date Reported: 08-10-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 08-10-99
Date Extracted: N/A

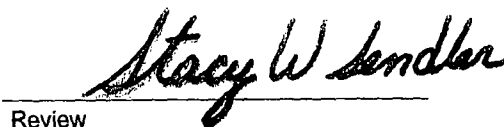
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	0.0060	0.0060	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	0.0002	0.0002	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.0042	0.0042	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 F814 - F815.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: F814
Sample Matrix: Water
Analysis Requested: TCLP
Condition: N/A

Project #: N/A
Date Reported: 08-10-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 08-10-99
Date Extracted: N/A

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	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	0.0060	0.050	0.0554	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	0.0002	0.050	0.0499	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	0.0042	0.050	0.0540	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 F814 - F815.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-10-99
Laboratory Number:	08-10-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-10-99
Condition:	N/A	Analysis Requested:	TCLP

Analytical Results		Detection Limit	Regulatory Limit
Parameter	Concentration (mg/L)	(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	99 %

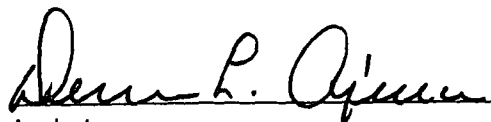
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for samples F814 - F815.


Analyst
Review

EPA METHOD 8040 PHENOLS Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	08-10-99
Laboratory Number:	08-06-TCA	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-06-99
Condition:	Cool & Intact	Date Analyzed:	08-10-99
		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%

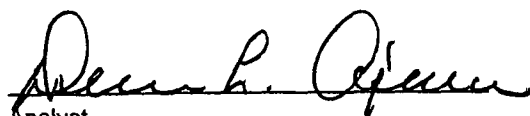
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for samples F814 - F815.


Analyst


Review

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-10-99
Laboratory Number:	F814	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	08-10-99
		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%

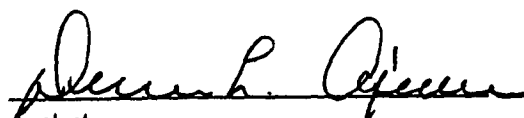
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

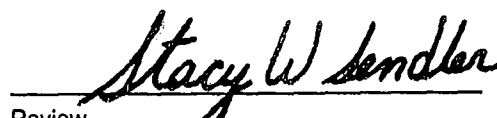
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 F814 - F815.


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:	08-10-99
Laboratory Number:	08-10-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	08-10-99
		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

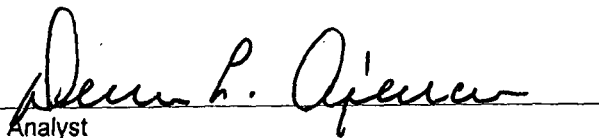
ND - Parameter not detected at the stated detection limit.


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 F814 - F815.


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:	08-10-99
Laboratory Number:	08-06-TBN-MB	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool and Intact	Date Analyzed:	08-10-99
		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

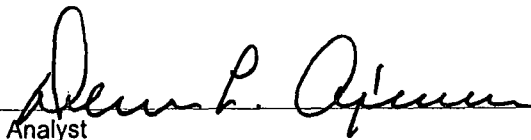
ND - Parameter not detected at the stated detection limit.

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 F814 - F815.


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:	08-10-99
Laboratory Number:	F814	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	08-10-99
		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

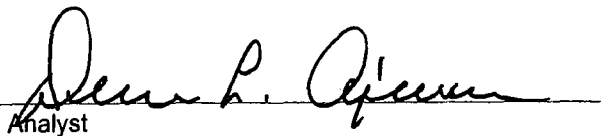
ND - Parameter not detected at the stated detection limit.


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 F814 - F815.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-10-TCM QA/QC	Date Reported:	08-10-99
Laboratory Number:	F814	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	08-10-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.01	0.22	0.22	0.0%	0% - 30%
Cadmium	ND	ND	0.001	0.024	0.024	0.0%	0% - 30%
Chromium	ND	ND	0.01	0.23	0.23	0.0%	0% - 30%
Lead	ND	ND	0.05	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.01	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.100	ND	0.098	98.0%	80% - 120%
Barium	1.00	0.22	1.20	98.4%	80% - 120%
Cadmium	0.500	0.024	0.523	99.8%	80% - 120%
Chromium	0.25	0.23	0.47	97.9%	80% - 120%
Lead	1.00	ND	0.99	99.0%	80% - 120%
Mercury	0.0250	ND	0.0249	99.6%	80% - 120%
Selenium	0.100	ND	0.097	97.0%	80% - 120%
Silver	1.00	ND	0.99	99.0%	80% - 120%

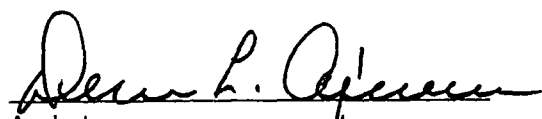
ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by
GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples F789, F814 and F815.


Analyst


Review

CHAIN OF CUSTODY RECORD

7260

Client / Project Name ENTACT			Project Location HALLIBURTON MAIN YARD		ANALYSIS / PARAMETERS											
Sampler: HARLAN M BROWN			Client No. 98061-05		No. of Containers	A 121A A 1721	A 121A A 1721	A 121A A 1721	A 121A A 1721	A 121A A 1721	A 121A A 1721	A 121A A 1721	A 121A A 1721	A 121A A 1721	Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix												
SE CORNER Stockpile	8-4-99	14:10	F815	Soil	2	✓										UNKNOWN Drum Soil
SE CORNER pit	8-4-99	14:20	F816	Soil	1		✓									closure sample

Relinquished by: (Signature) <i>Harlan M Brown</i>	Date 8-4-99	Time 18:00	Received by: (Signature) <i>Dean L. Cepree</i>	Date 8-4-99	Time 18:00
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615	Sample Receipt			
		Y	N	N/A
	Received Intact	✓		
	Cool - Ice/Blue Ice	✓		

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: 92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>B.T. Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>3250 Southside River Road Farmington, New Mexico 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:

Continuation of Wash Bay Solids
TCLP Attached

RECEIVED
AUG 30 1999
OIL CON. DIV.
DIST. 3

Estimated Volume 30 cy Known Volume (to be entered by the operator at the end of the haul) 62 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-24-99
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: 8/24/99
APPROVED BY: Monty J. Zent TITLE: Env. Geologist DATE: 8/25/99

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: 92101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>B.T. Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>3250 Southwest River Road Farmington, New Mexico 87401</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:

Continuation of Wash Bay Solids
TCLP Attached

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: 8.24.99
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. Feunt TITLE: Ecologist DATE: 8/24/99
APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: BJ Services 3250 Southside River Road Farmington, New Mex 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): SAA	Location of the Waste (Street address &/or ULSTR):
Attach list of originating sites as appropriate	
4. Source and Description of Waste Wash bay solids	

I, Les Baugh representative for:
BJ Services (Print Name)
do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

Name (Original Signature): Les Baugh
Title: Facilities Supervisor
Date: 8/23/99

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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 Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP 12-23-98

Printed Name Les Baugh

Title / Agency Fac. Super.

Address 3250 Southside River Road
Farmington, New Mex. 87401

Signature Les Baugh

Date 8/23/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 28, 1999

Mr. Les Baugh
B. J. Services, Inc.
3220 Bloomfield Highway
Farmington, New Mexico 87401

Project No.: 92101

Dear Mr. Baugh,

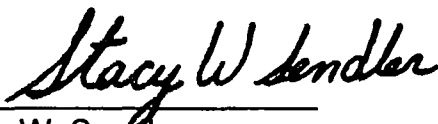
Enclosed are the analytical results for the sample collected from the location designated as "Farmington, NM - Wash Bay Solids". One soil sample was collected by Envirotech personnel and delivered to the Envirotech laboratory on 01/13/99 for Hazardous Waste Characterization analysis (TCLP Volatiles, Semi-volatiles, Trace Metals, Corrosivity, Reactivity, and Ignitability).

The sample was documented on Envirotech Chain of Custody No. 6501 and assigned Laboratory No. E503 for tracking purposes.

The sample was extracted on 01/18/99 and analyzed 01/18/99 through 01/27/99 using USEPA or equivalent methods.

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
Environmental Scientist/Laboratory Manager

enc.

SWS/sws

92101lb4.wpd

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	B J Services	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	01-15-99
Lab ID#:	E503	Date Sampled:	01-13-99
Sample Matrix:	Soil	Date Received:	01-13-99
Preservative:	Cool	Date Analyzed:	01-15-99
Condition:	Cool and Intact	Chain of Custody:	6501

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

IGNITABILITY: Negative

CORROSIVITY: Negative pH = 8.87

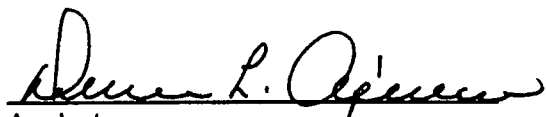
REACTIVITY: Negative

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: Wash Bay, Farmington, NM.


Analyst


Review

Client:	B J Services	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	01-19-99
Laboratory Number:	E503	Date Sampled:	01-13-99
Chain of Custody:	6501	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-19-99
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)	0.0078	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

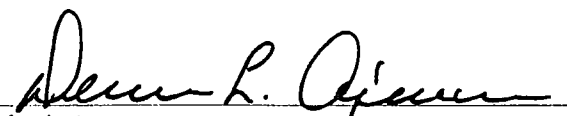
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	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: **Wash Bay, Farmington, NM.**


 Analyst


 Review

Client:	B J Services	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	01-21-99
Laboratory Number:	E503	Date Sampled:	01-13-99
Chain of Custody:	6501	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.120	0.020	200
p,m-Cresol	0.075	0.040	200
2,4,6-Trichlorophenol	0.530	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	0.556	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%

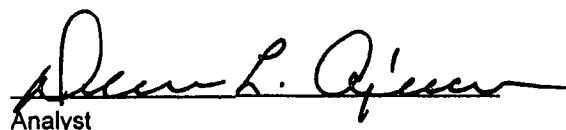
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: Wash Bay, Farmington, NM.


Analyst


Review

Client:	B J Services	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	01-22-99
Laboratory Number:	E503	Date Sampled:	01-13-99
Chain of Custody:	6501	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
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	0.172	0.020	3.0
Nitrobenzene	0.604	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

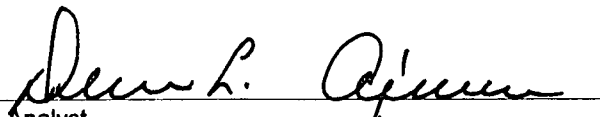
ND - Parameter not detected at the stated detection limit.

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: Wash Bay, Farmington, NM.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	B. J. Services	Project #:	92101
Sample ID:	Wash Bay Solids	Date Reported:	01-23-99
Laboratory Number:	E503	Date Sampled:	01-13-99
Chain of Custody:	6501	Date Received:	01-13-99
Sample Matrix:	Soil	Date Analyzed:	01-23-99
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	1.17	0.001	21
Cadmium	0.0611	0.0001	0.11
Chromium	0.0168	0.0001	0.60
Lead	0.0586	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

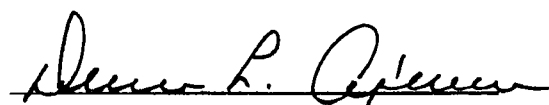
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: Wash Bay, Farmington, NM.


Analyst


Review

FNV ROTECH 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:	01-19-99
Laboratory Number:	01-19-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
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

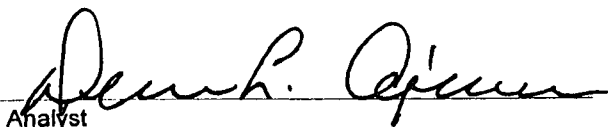
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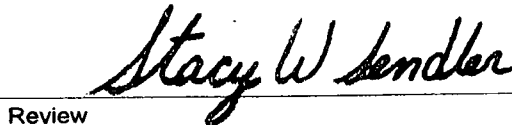
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	100%

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: QA/QC for samples E499 and E503.


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:	01-19-99
Laboratory Number:	01-18-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
Condition:	N/A	Date Extracted:	01-18-99
		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

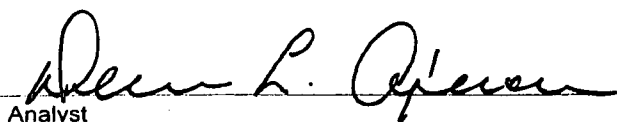
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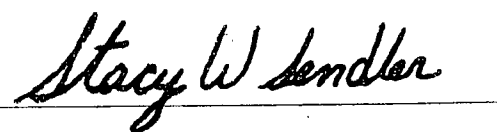
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	98%

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 samples E499 and E503.


Analyst


Review

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

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

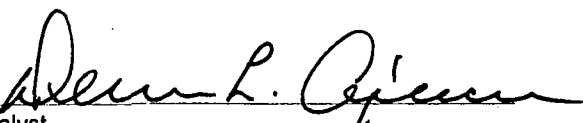
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

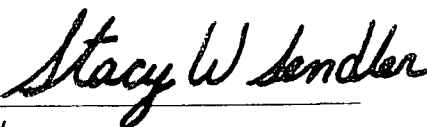
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
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 samples E499 and E503.


Analyst


Review

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

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

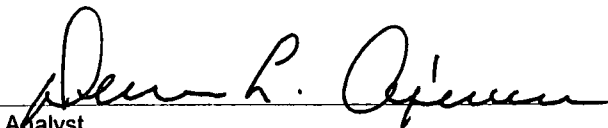
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

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	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 E499 and E503.


Analyst


Review

Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-21-99
Laboratory Number:	01-21-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-21-99
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	99 %

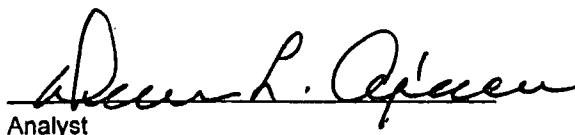
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

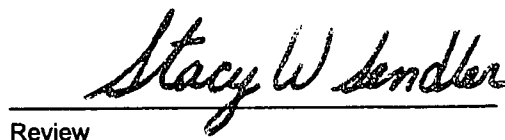
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-21-99
Laboratory Number:	01-18-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		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%

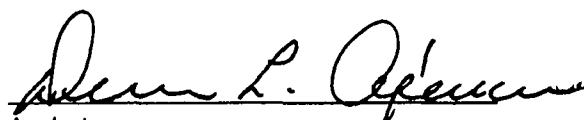
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.123	0.122	0.020	1.0%
p,m-Cresol	0.054	0.053	0.040	2.0%
2,4,6-Trichlorophenol	0.060	0.059	0.020	1.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	0.556	0.551	0.020	0.8%

ND - Parameter not detected at the stated detection limit.

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

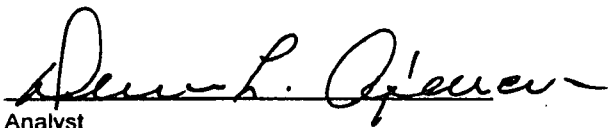
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 E499 and E503.


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: 01-21-TBN - Blank
Sample Matrix: Hexane
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 01-22-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 01-21-99
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: QA/QC for samples E499 and E503.


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: 01-18-TBN-MB
 Sample Matrix: TCLP Extract
 Preservative: Cool
 Condition: Cool and Intact

Project #: N/A
 Date Reported: 01-22-99
 Date Sampled: N/A
 Date Received: N/A
 Date Extracted: 01-18-99
 Date Analyzed: 01-21-99
 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

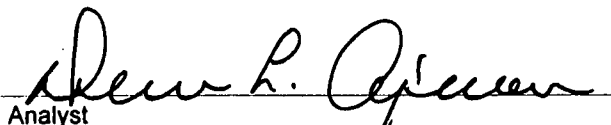
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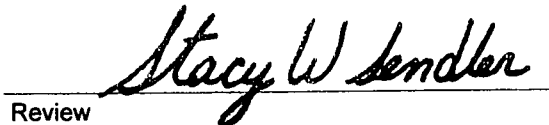
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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 E499 and E503.


 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: E499
Sample Matrix: TCLP Extract
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 01-22-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-18-99
Date Analyzed: 01-21-99
Analysis Requested: TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	0.054	0.053	1.0%	0.020
Hexachloroethane	0.353	0.349	1.0%	0.020
Nitrobenzene	0.202	0.200	0.9%	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

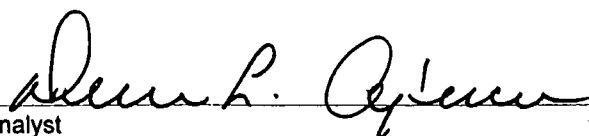
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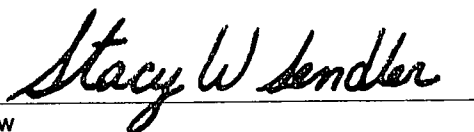
QA/QC Acceptance Criteria	Parameter	Maximum Difference
	8090 Compounds	30%

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 E499 and E503.


Analyst


Review

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	01-23-TCM QA/QC	Date Reported:	01-23-99
Laboratory Number:	E449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	01-23-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicates Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicates	% Dil.	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	1.53	1.53	0.0%	0% - 30%
Cadmium	ND	ND	0.0001	0.0329	0.0324	1.5%	0% - 30%
Chromium	ND	ND	0.0001	0.0301	0.0300	0.3%	0% - 30%
Lead	ND	ND	0.0001	0.0309	0.0307	0.6%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Spike Concentration	Spike Conc. (mg/L)	Found Conc. (mg/L)	Spiked Conc. (mg/L)	Percent Recovery	Acceptance Range
Arsenic	0.1000	ND	0.0997	99.7%	80% - 120%
Barium	1.000	1.53	2.53	100.0%	80% - 120%
Cadmium	0.0500	0.0329	0.0826	99.6%	80% - 120%
Chromium	0.0500	0.0301	0.0802	100.1%	80% - 120%
Lead	0.1000	0.0309	0.131	99.8%	80% - 120%
Mercury	0.0250	ND	0.0248	99.2%	80% - 120%
Selenium	0.1000	ND	0.0998	99.8%	80% - 120%
Silver	0.0500	ND	0.0499	99.8%	80% - 120%

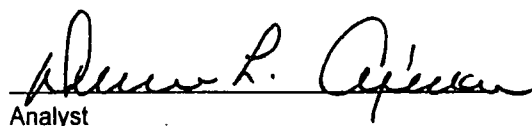
ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E499 and E503.


Analyst


Review

CHAIN OF CUSTODY RECORD

6501

Client / Project Name BJ SERVICES WASH BAY			Project Location FARMINGTON, NM		ANALYSIS / PARAMETERS								
Sampler: Morris D. Young			Client No. 92101		No. of Containers 1	TELP	W/6 HEP						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
WASH BAY Solid	1/13/99	15:55	E503	Soil									
Relinquished by: (Signature) Morris D. Young			Date 1/13/99	Time 16:25	Received by: (Signature) Debra L. Apic			Date 1.13.99	Time 16:25				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
ENVIROTECH INC. 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615										Sample Receipt			
											Y	N	N/A
										Received Intact	✓		
										Cool - Ice/Blue Ice	✓		

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

OIL CON. DIV.

Env. JN: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>Halliburton Energy Services</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <i>Main Yard</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 US Highway 64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR)	<i>409 E. Main Farmington 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:

Continuation of wash bay solids disposal

TCLP & REAFFIRMATION Statement attached

Estimated Volume 80 cy Known Volume (to be entered by the operator at the end of the haul) 153 cy

SIGNATURE: *Harlan M. Brown* TITLE: Landfarm Manager DATE: 8-28-99
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. Kurt* TITLE: Geologist DATE: 8/24/99
APPROVED BY: *Martyn J. Kelly* TITLE: Environmental Geologist DATE: 8/30/99

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: 92132

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <u>Halliburton Energy Services</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	5. Originating Site <u>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 US 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 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:

Continuation of wash bay solids disposal

TCLP & REAFFIRMATION Statement attached

Estimated Volume 80 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-24-99
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. Furt TITLE: Geologist DATE: 8/24/99

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Halliburton Energy Services 4109 E Main Farmington N Mex 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Wash Bay S Above Holding Area <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR): 4109 E Main Farmington N Mex.
4. Source and Description of Waste Wash Bay solids (continuation)	

I, DOUG HODGES representative for:
 (Print Name)
Halliburton Energy Services do hereby certify that,
 according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

- ☐ MSDS Information
☒ RCRA Hazardous Waste Analysis
☒ Chain of Custody

☐ Other (description):

Name (Original Signature): Doug Hodges

Title: Maintenance Supervisor

Date: 8/23/99

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 Characteristic Leaching Procedures (TCLP) analysis was performed. I further certify that said material is from operations in the immediate Four Corners area.

Date of TCLP 1-13-99
Printed Name DOUG HODGES
Title / Agency Maintenance Supervisor
Address 4109 E Main
Farmington NM
Signature Doug Hodges
Date 8/23/99

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

January 28, 1999

Mr. Ed Shannon
Halliburton Energy Services, Inc.
4109 East Main Street
Farmington, New Mexico 87401

Project No.: 92132

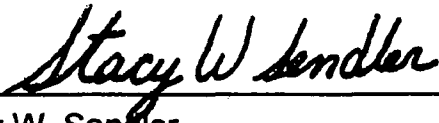
Dear Mr. Shannon,

Enclosed are the analytical results for the sample collected from the location designated as "East Main, Farmington-Wash Bay Solids". One soil sample was collected by Envirotech personnel on 01/13/99, and delivered to the Envirotech laboratory on 01/13/99 for Hazardous Waste Characterization analysis (Volatiles, Semi-Volatiles, Trace Metals, Corrosivity, Ignitability, and Reactivity).

The sample was documented on Envirotech Chain of Custody No. 6498 and assigned Laboratory No. E499 for tracking purposes. The sample was extracted on 01/18/99 and analyzed 01/18/99 through 01/27/99 using USEPA or equivalent methods.

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
Environmental Scientist/Laboratory Manager

enc.

SWS/sws

92132/tclp0199.lb1

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-15-99
Lab ID#:	E499	Date Sampled:	01-13-99
Sample Matrix:	Soil	Date Received:	01-13-99
Preservative:	Cool	Date Analyzed:	01-15-99
Condition:	Cool and Intact	Chain of Custody:	6498

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


IGNITABILITY:	Negative	
CORROSIVITY:	Negative	pH = 7.98
REACTIVITY:	Negative	

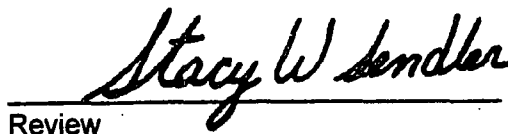
RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. (i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. (i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. (i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)

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

Comments: East Main, Farmington.


Analyst


Review

ENVROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-19-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-19-99
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

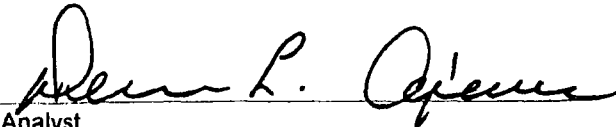
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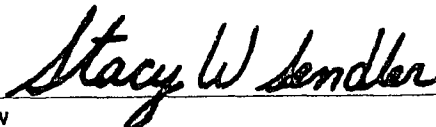
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	98%
	Bromofluorobenzene	99%

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: East Main, Farmington.


Analyst


Review



Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.123	0.020	200
p,m-Cresol	0.054	0.040	200
2,4,6-Trichlorophenol	0.060	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	0.556	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%

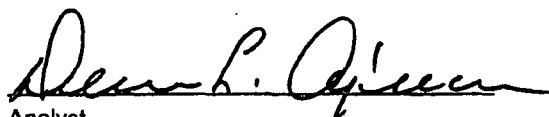
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: East Main, Farmington.


Analyst


Review

ENVROTECH 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:	01-22-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Extracted:	01-18-99
Preservative:	Cool	Date Analyzed:	01-21-99
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	0.054	0.020	5.0
Hexachloroethane	0.353	0.020	3.0
Nitrobenzene	0.202	0.020	2.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

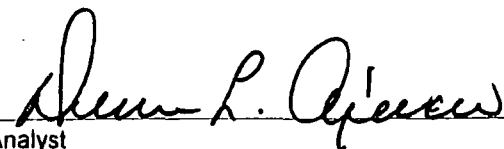
ND - Parameter not detected at the stated detection limit.


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: East Main, Farmington.


Analyst


Review

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

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay Solids	Date Reported:	01-23-99
Laboratory Number:	E499	Date Sampled:	01-13-99
Chain of Custody:	6498	Date Received:	01-13-99
Sample Matrix:	Soil	Date Analyzed:	01-23-99
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.0001	5.0
Barium	1.53	0.001	21
Cadmium	0.0329	0.0001	0.11
Chromium	0.0301	0.0001	0.60
Lead	0.0309	0.0001	0.75
Mercury	ND	0.0001	0.025
Selenium	ND	0.0001	5.7
Silver	ND	0.0001	0.14

ND - Parameter not detected at the stated detection limit.

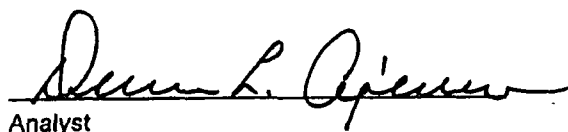
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

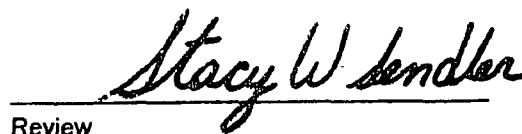
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: East Main, Farmington.


Analyst


Review

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

E. A. METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-19-99
Laboratory Number:	01-19-TCV-Blank	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
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

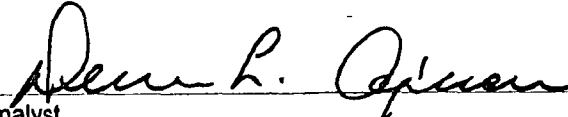
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	100%
	Bromofluorobenzene	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 E499 and E503.


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:	01-19-99
Laboratory Number:	01-18-TV-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-19-99
Condition:	N/A	Date Extracted:	01-18-99
		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

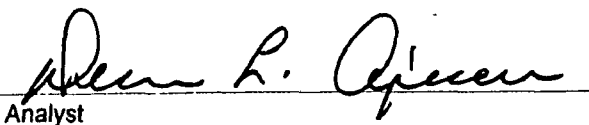
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	Trifluorotoluene	99%
	Bromofluorobenzene	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 samples E499 and E503.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Duplicate
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

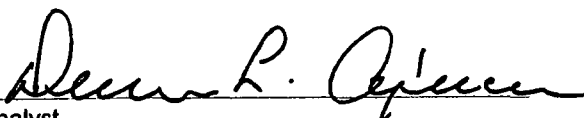
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

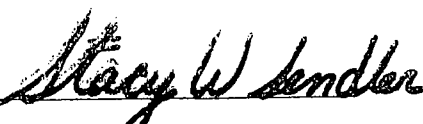
Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	ND	ND	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	ND	ND	0.0001	0.0%
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 samples E499 and E503.


Analyst


Review

Client: QA/QC
Sample ID: Matrix Spike
Laboratory Number: E499
Sample Matrix: TCLP Extract
Analysis Requested: TCLP
Condition: N/A

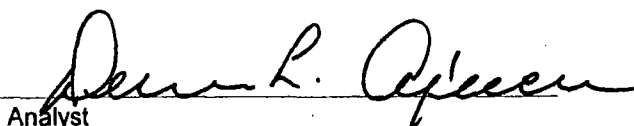
Project #: N/A
Date Reported: 01-19-99
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 01-19-99
Date Extracted: N/A

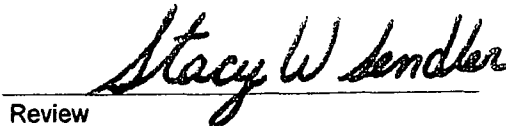
Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	ND	0.050	0.0495	0.0001	99%	47-132
Chloroform	ND	0.050	0.0498	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0491	0.0001	98%	43-143
Benzene	ND	0.050	0.0498	0.0001	100%	39-150
1,2-Dichloroethane	ND	0.050	0.0494	0.0001	99%	51-147
Trichloroethene	ND	0.050	0.0494	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0494	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0494	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0494	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 E499 and E503.


Analyst


Review



Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	01-21-99
Laboratory Number:	01-21-TCA-Blank	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-21-99
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	98 %
	2,4,6-tribromophenol	99 %

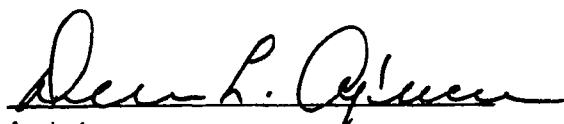
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

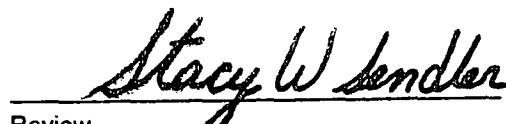
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

Client:	QA/QC	Project #:	N/A
Sample ID:	Method Blank	Date Reported:	01-21-99
Laboratory Number:	01-18-TCA-MB	Date Sampled:	N/A
Sample Matrix:	TCLP Extraction	Date Received:	N/A
Preservative:	Cool	Date Extracted:	01-18-99
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		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%

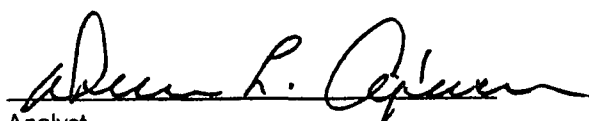
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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. 1986.

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

Comments: QA/QC for samples E499 and E503.


Analyst


Review

**EPA METHOD 8040
PHENOLS
Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	01-21-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.123	0.122	0.020	1.0%
p,m-Cresol	0.054	0.053	0.040	2.0%
2,4,6-Trichlorophenol	0.060	0.059	0.020	1.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	0.556	0.551	0.020	0.8%

ND - Parameter not detected at the stated detection limit.

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

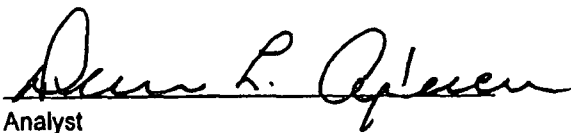
References: Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

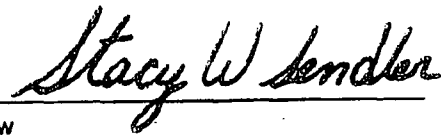
Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

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 E499 and E503.


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:	01-22-99
Laboratory Number:	01-21-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:	01-21-99
		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

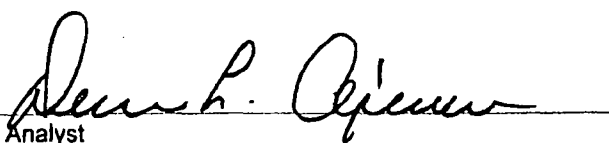
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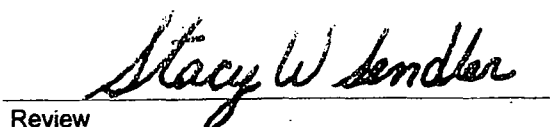
QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	96%

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: QA/QC for samples E499 and E503.


Analyst


Review

ENV ROTECH 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: 01-18-TBN-MB
Sample Matrix: TCLP Extract
Preservative: Cool
Condition: Cool and Intact

Project #: N/A
Date Reported: 01-22-99
Date Sampled: N/A
Date Received: N/A
Date Extracted: 01-18-99
Date Analyzed: 01-21-99
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

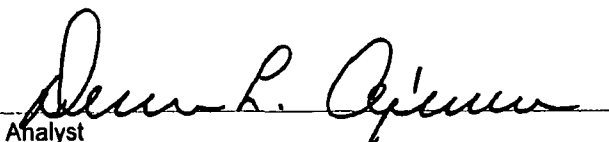
ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria	Parameter	Percent Recovery
	2-fluorobiphenyl	95%

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 E499 and E503.


Analyst


Review

ENVIRONMENTAL TECHNOLOGIES

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:	01-22-99
Laboratory Number:	E499	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Preservative:	N/A	Date Extracted:	01-18-99
Condition:	N/A	Date Analyzed:	01-21-99
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	0.054	0.053	1.0%	0.020
Hexachloroethane	0.353	0.349	1.0%	0.020
Nitrobenzene	0.202	0.200	0.9%	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 E499 and E503.


Analyst


Review

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-23-TCM QA/QC	Date Reported:	01-23-99
Laboratory Number:	E449	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	01-23-99
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	1.53	1.53	0.0%	0% - 30%
Cadmium	ND	ND	0.0001	0.0329	0.0324	1.5%	0% - 30%
Chromium	ND	ND	0.0001	0.0301	0.0300	0.3%	0% - 30%
Lead	ND	ND	0.0001	0.0309	0.0307	0.6%	0% - 30%
Mercury	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.0001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.0001	ND	ND	0.0%	0% - 30%

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Diff	Acceptance Range
Arsenic		0.1000	ND	0.0997	99.7%		80% - 120%
Barium		1.000	1.53	2.53	100.0%		80% - 120%
Cadmium		0.0500	0.0329	0.0826	99.6%		80% - 120%
Chromium		0.0500	0.0301	0.0802	100.1%		80% - 120%
Lead		0.1000	0.0309	0.131	99.8%		80% - 120%
Mercury		0.0250	ND	0.0248	99.2%		80% - 120%
Selenium		0.1000	ND	0.0998	99.8%		80% - 120%
Silver		0.0500	ND	0.0499	99.8%		80% - 120%

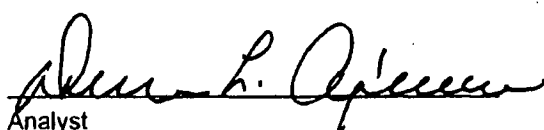
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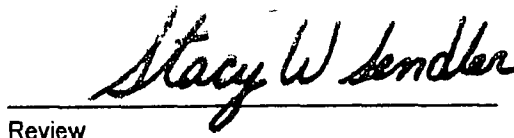
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 7060B, 7081, 7131A, 7191, 7470A, 7421, 7740, 7761 Analysis of Metals by GFAA and Cold Vapor Techniques, SW-846, USEPA, December 1996.

Comments: QA/QC for samples E499 and E503.


Analyst


Review

6498

[illegible]

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: 97057-14

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Faust 8-24-99 15:35</i>	4. Generator <u>E.P.F.S.</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>Ascal Peak Station</u>
3. Address of Facility Operator <u>5796 US 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. <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 & gravel contaminated w/ pigging line fluids

RECEIVED
SEP - 2 1999

OIL CON. DIV.
DIST. 3

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 12 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8-24-99
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 Faust TITLE: Geologist DATE: 9/2/99
APPROVED BY: S. Busch TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Angel Peak Plant	Location of Waste(Street address &/or ULSTR): NE/4 of NE/4 of Sec. 8, T27N, R10W, San Juan Co., NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Soil and gravel contaminated with produced hydrocarbons from pigging operations	

I, David Bays representative for:
(Print Name)

El Paso Field Services Co. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988 regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** Oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by
characteristic analysis or by product identification

and that nothing has been added to the exempt or non-hazardous waste defined above.

For **NON-EXEMPT** waste only, the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description)
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): David Bays

Title: Principal Environmental Scientist

Date: August 23, 1999

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: 92187

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<u>Donny Foster</u> <u>8.12.99</u> <u>9:13</u>	4. Generator <u>Western Gas Resources</u>
2. Management Facility Destination <u>Envirotech Soil Remediation Facility Landfarm #2</u>	5. Originating Site <u>San Juan River Plant</u>	6. Transporter <u>Hascavanes</u>
3. Address of Facility Operator <u>5796 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>	
7. Location of Material (Street Address or ULSTR)	<u>99 Rd 6500</u> <u>Kirtland 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:

Pigging line wastes;
Norm's attached

Estimated Volume 20 cy Known Volume (to be entered by the operator at the end of the haul) 19 cy

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 8.12.99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Harlan M. Brown TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Donny G. Kent TITLE: Geologist DATE: 8/24/99
APPROVED BY: E. Busch TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Western Gas Resources P.O. Box 70 Kirtland, N.M. 87417	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): San Juan River Plant 99 Rd 6500 Kirtland, N.M. 87417 <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Waste sludge From pipeline pigging operations Dry and clay like material	

I, Tim Bates (Print Name) _____ representative for:
Western Gas Resources do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Tim Bates

Title: Field Supervisor

Date: 8-12-99

Soil with <30 pCi/g
is considered exempt
by NMED

K.M. Evans
T. Bates
D. Anderson



1726 Wooddale Court • Baton Rouge, Louisiana 70806

1 (800) 401-4277 • Fax (504) 927-6822

ARS Tracking Number: ARS-97-0924 P.O. Number: 215618
 Client I.D.: G02354 ARS Sample I.D.: ARS-97-3412
 Date Sampled: N/A Date Received: 10/10/97
 Time Sampled: N/A Time Received: 0945
 Type of Sample: Solid Date of Report: 10/16/97

Analysis Description	Analysis Result	Analysis Error $\pm 2\sigma$	Detection Limit	Analysis Units	Analysis Test Method	Analysis Date & Time	Analysis Technician
Ra-226	0.82	0.27	0.11	pCi/g	EPA 901.1M	10/13/97 1149	SB
Ra-228	0.03	0.02	0.01	pCi/g	EPA 901.1M	10/13/97 1149	SB
Pb 210	15.33	0.71	0.17	pCi/g	EPA 901.1M	10/13/97 1149	SB
Total Activity	16.86	N/A	N/A	pCi/g	EPA 901.1M	10/13/97 1149	SB

Post-It™ brand fax transmittal memo 7671 # of pages >

To <i>Harlan Brown</i>	From <i>Tim Bates</i>
Co.	Co.
Dept.	Phone #
Fax #	Fax #

[Signature]
Quality Assurance Review

Notes: 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. Reproduction of this report in less than full requires the written consent of the client.

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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

RECEIVED

AUG 3 1999

Environmental Bureau
Oil Conservation Division

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Originated 8/8/95

Submit Original
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to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/>	4. Generator <i>Coastal Chemical</i>
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <i>CR 4599 San Juan County</i>
2. Management Facility Destination <i>Envirotech Landfarm #2</i>	6. Transporter <i>Envirotech</i>
3. Address of Facility Operator <i>5796 US Hwy #64 Farmington, NM 87401</i>	8. State <i>New Mexico</i>
7. Location of Material (Street Address or ULSTR) <i>mile marker #2 CR 4599 San Juan County</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:

New Motor Oil mixture of Chevron HDAX LA 30
Conoco Geo 15W40
Conoco El Mar 3000-30

RECEIVED
JUL 30 1999
OIL CON. DIV.
DIST. 3

RECEIVED
AUG 05 1999
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Ezora L. Boognl TITLE: Adm. Asst. DATE: 7/29/99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Ezora L. Boognl TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Dennis J. Zint TITLE: Geologist DATE: 7/30/99
APPROVED BY: Martine J. Kubi TITLE: Environmental Geologist DATE: 8-3-99

District I - (505) 393-6161
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>CR 4599 San Juan County</u>
2. Management Facility Destination <u>Envirotech Landfarm #2</u>	6. Transporter <u>Envirotech</u>
3. Address of Facility Operator <u>5796 US Hwy #64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
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RECEIVED
JUL 30 1999
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Ezora L. Boognl TITLE: Adm. Asst. DATE: 7/29/99
Waste Management Facility Authorized Agent
TYPE OR PRINT NAME: Ezora L. Boognl TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY: Denny G. Faint TITLE: Geologist DATE: 7/30/99
APPROVED BY: _____ TITLE: _____ DATE: _____

7/29/99- 10:10 AM
verbal approval
Denny Foust-CCD

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Coastal Chemical #10 County Road 5911 Farmington, NM 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): 2 miles North on CR 4599 off Highway 64 @ Blanco NM 2 mile marker <small>Attach list of originating sites as appropriate</small>	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste 159 gal. New Motor Oil - Chevron HDAX LA 30 1320 gal. Conoco Geo 15W40 6600 gal. Conoco Elmar 3000-30 on truck at time of spill	

I, Bon Boatwright representative for:
(Print Name)
Coastal Chemical do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

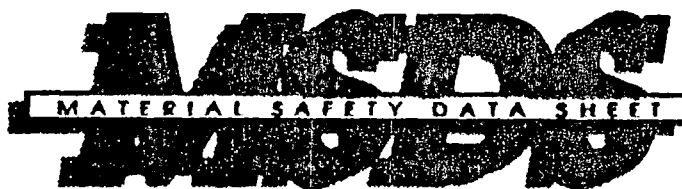
☐ EXEMPT oilfield waste ☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☒ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Bon Boatwright
Title: Material Handling Manager
Date: 7/29/99



MOTC0082

Revised 6-DEC-1997

Printed 9-DEC-1997

HYDROCLEAR EL MAR Low Ash Supreme Engine Oil

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"EL MAR" is a registered trademark of Conoco.

"HYDROCLEAR" is a trademark of Conoco.

Grade SAE 30, 40, 15W-40

Product Use

Natural Gas Engine Oil

Tradenames and Synonyms

47513, 47514, 47515 - Conoco Base Codes

Company Identification

MANUFACTURER/DISTRIBUTOR

Conoco, Inc.
P.O. Box 2197
Houston, TX 77252

PHONE NUMBERS

Product Information	1-281-293-5550
Transport Emergency	CHEMTREC 1-800-424-9300
Medical Emergency	1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material

CAS Number %

Highly refined base oils

>75

Proprietary additives

<25

If oil mist is generated, exposure limits apply.

(Continued)

HAZARDS IDENTIFICATION

Potential Health Effects

Primary Route of Entry: Skin

The product, as with many petroleum products, may cause minor skin, eye, and lung irritation, but good hygienic practices can minimize these effects.

Normal use of this product does not result in generation of an oil mist. However if an oil mist is generated, overexposure can cause minor and reversible irritation to the eyes, skin, and especially the lungs. Proper personal protective equipment and sufficient ventilation can provide adequate protection.

"USED" Motor Oil -

There are no epidemiology studies showing "used" motor oil to be carcinogenic. Health hazards to "used" motor oil can be minimized by avoiding prolonged skin contact.

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.

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

(Continued)

FIRST AID MEASURES (Continued)

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.

FIRE FIGHTING MEASURES

Flammable Properties

Flash Point	470 F (243 C) Method: COC (Grade 30)
	510 F (266 C) Method: COC (Grade 40)
	420 F (216 C) Method: COC (Grade 15W-40)

Flash point(s) given above are typical values.

Autoignition	Undetermined
Flammable limits in Air, % by Volume	
LEL	Undetermined
UEL	Undetermined

NFPA Classification	Class IIIB Combustible Liquid.
---------------------	--------------------------------

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

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.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Remove source of heat, sparks, and flame.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

(Continued)

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing mist. Avoid contact with eyes. Avoid prolonged contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

Storage

Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

VENTILATION

Normal shop ventilation.

Personal Protective Equipment

RESPIRATORY PROTECTION

None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

PROTECTIVE GLOVES

Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended.

EYE PROTECTION

Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT

Coveralls with long sleeves if splashing is probable.

OTHER PRECAUTIONS

Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

Exposure Guidelines

Applicable Exposure Limits

If oil mist is generated, exposure limits apply.

PEL (OSHA)

5 mg/m³, 8 Hr. TWA

TLV (ACGIH)

5 mg/m³, 8 Hr. TWA, STEL 10 mg/m³

Notice of Intended Changes (1997)

(Continued)

EXPOSURE CONTROLS/PERSONAL PROTECTION_(Continued)

AEL * (DuPont) 5 mg/m³, 8 Hr. TWA, (As sampled by
method that does not collect vapors)
5 mg/m³, 8 Hr. TWA

* AEL is DuPont'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	Not Available
Vapor Pressure	Nil
Vapor Density	>1 (Air=1.0)
% Volatiles	Nil
Evaporation Rate	Nil
Solubility in Water	Insoluble
pH	Undetermined
Odor	Petroleum Hydrocarbon (mild).
Form	Liquid.
Color	Brown (light).
Specific Gravity	0.87-0.88 @ 60 F (16 C)
Density	7.26-7.33 lb/gal @ 60 F (16 C)

STABILITY AND REACTIVITY

Chemical Stability
Stable.

Conditions to Avoid
Heat, sparks, and flames.

Incompatibility with Other Materials
Incompatible or can react with oxidizers.

Decomposition
Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Polymerization
Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Animal Data
Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -
Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.

(Continued)

TOXICOLOGICAL INFORMATION_(Continued)

Following information based on components or similar material.

ACUTE TOXICITY:

Oral Toxicity: LD50 >5000 mg/kg (rats)
Dermal Toxicity: LD50 >2000 mg/kg (rabbits)
Eye Irritation: Not expected to be an eye irritant.
Inhalation: Mists or vapors may cause irritation.

ECOLOGICAL INFORMATION

Ecotoxicological Information

No specific aquatic data available for this product.

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.

Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

TRANSPORTATION INFORMATION

Shipping Information

DOT
Not regulated.

ICAO/IMO
Not restricted.

REGULATORY INFORMATION

U.S. Federal Regulations

OSHA HAZARD DETERMINATION

Under normal conditions of use, this material is not known to be 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.

(Continued)

REGULATORY INFORMATION(Continued)

SARA, TITLE III, 302/304
Extremely Hazardous Substance: None

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : NO
Chronic : NO
Fire : NO
Reactivity : NO
Pressure : NO

SARA, TITLE III, 313
Toxic Chemical: None

TSCA
Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

RCRA
This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

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	Petroleum Hydrocarbons.
Reportable Quantity	Film or sheen upon or discoloration of any water surface.

State Regulations (U.S.)

CALIFORNIA "PROP 65"

The material contains ingredient(s) known to the State of California to cause cancer, birth defects, or other reproductive harm. Read and follow all label directions.

Ingredient	Benzene (CAS # 71-43-2) <0.01%
Ingredient	Acetaldehyde (CAS # 75-07-0) <0.01%
Ingredient	Cadmium <0.01%
Ingredient	Arsenic <0.01%
Ingredient	1,3-Butadiene (CAS # 106-99-0) <0.01%
Ingredient	Lead <0.01%

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT
Ingredients subject to Act - None

(Continued)

REGULATORY INFORMATION (Continued)

Canadian Regulations

This is not a WHMIS Controlled Product.

Transport/Medical Emergency Phone Number: 1-613-348-3616

This material contains an ingredient which is being notified and tracked by its manufacturer. Export into Canada may only occur when the active exporting party participates in the tracking procedure.

OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating	
Health	0
Flammability	1
Reactivity	0

NPCA-HMIS Rating

Health	1
Flammability	1
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 Coordinator
Address : Conoco Inc.
> : PO Box 2197
> : Houston, TX 77252
Telephone : 1-281-293-5550

Indicates updated section.

End of MSDS



Material Safety Data Sheet

Page 1 of 7

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEVRON Gas Engine Oil HDAX Low Ash SAE 30

PRODUCT NUMBER(S): CPS232327 CPS238118

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 % CHEVRON Gas Engine Oil HDAX Low Ash SAE 30

CONTAINING

COMPONENTS	AMOUNT	LIMIT/QTY	AGENCY/TYPE
HYDROTREATED DIST., HVY PARA			
Chemical Name: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC			
CAS64742547	90.0%	5 mg/m3 (mist)	ACGIH TWA
		10 mg/m3 (mist)	ACGIH STEL
		5 mg/m3 (mist)	OSHA PEL

ADDITIVES INCLUDING THE FOLLOWING
10.0%

ZINC ALKARYL DITHIOPHOSPHATE
Chemical Name: ZINC ALKARYL DITHIOPHOSPHATE
CAS54261675 < 1.5%

Revision Number: 5 Revision Date: 01/11/95 MSDS Number: 004210
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
and Health Risk Assessment Unit, CRTC, P.O. Box 4054, Richmond, CA 94804

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.

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.

INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed.

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.

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

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

Revision Number: 5**Revision Date: 01/11/95****MSDS Number: 004210****NDA - No Data Available****NA - Not Applicable**

CHEVRON Gas Engine Oil HDAA Low Ash SAE 30

Page 3 of 7

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) 410F (210C) 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, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of sulfur, nitrogen and phosphorous.

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:

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:**

Revision Number: 5 Revision Date: 01/11/95 MSDS Number: 004210
NDA - No Data Available NA - Not Applicable

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:

Dark amber liquid.

pH: NDA

VAPOR PRESSURE: NA

VAPOR DENSITY

(AIR=1): NA

BOILING POINT: NA

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: 11.0 cSt @ 100C (Min.)

PERCENT VOLATILE

(VOL): NA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

NDA

CHEMICAL STABILITY:

Stable.

CONDITIONS TO AVOID:

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

Revision Number: 5

Revision Date: 01/11/95

MSDS Number: 004210

NDA - No Data Available

NA - Not Applicable

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 on the components.

ACUTE INHALATION EFFECTS:

No product toxicology data available. The hazard evaluation was based on data on the components.

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).

This product contains zinc alkaryl dithiophosphate which is similar in toxicity to zinc alkyl dithiophosphate (ZDDP). Several (ZDDPs) have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

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.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:

Oil collection services and collection centers are available for used

Revision Number: 5

Revision Date: 01/11/95

MSDS Number: 004210

NDA - No Data Available

NA - Not Applicable

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 lists indicated.

ZINC ALKARYL DITHIOPHOSPHATE

is found on lists: 01,11,

DISTILLATES, HYDROTREATED HEAVY PARAFFINIC

is found on lists: 14,15,17,

Revision Number: 5

Revision Date: 01/11/95

MSDS Number: 004210

NDA - No Data Available

NA - Not Applicable

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 responsibil-
ity 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.

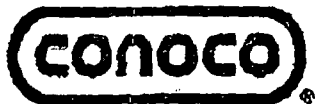
Revision Number: 5 Revision Date: 01/11/95 MSDS Number: 004210
NDA - No Data Available NA - Not Applicable

If oil mist is generated, exposure limits apply

08:47 JAN 16, 1998

TEL NO: (713) 293-1440

#111144 PAGE: 2/11



CHEMICAL PRODUCT/COMPANY IDENTIFICATION

HYDROCLEAR EL MAR GEO

MOTC0086

Revised 6-DEC-1997

Post-it® Fax Note 7671

To	Mike Reams	From	Spodi
Co/Dept	Coastal	Co.	Coastal
Phone #	Abbeville	Phone #	327-9280
Fax #		Fax #	

Material Identification

"EL MAR" is a registered trademark of Conoco.

"HYDROCLEAR" is a trademark of Conoco.

Grade : SAE 15W-40, 30/40

Product Use

Natural Gas Engine Oil

Tradenames and Synonyms

47511, 47512 - Conoco Base Codes

Company Identification

MANUFACTURER/DISTRIBUTOR

Conoco, Inc.
P.O. Box 2197
Houston, TX 77252

PHONE NUMBERS

Product Information : 1-281-293-5550

Transport Emergency : CHEMTREC 1-800-424-9300

Medical Emergency : 1-800-441-3637

COMPOSITION/INFORMATION ON INGREDIENTS

Components

and persists, 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

Material poses an aspiration hazard. If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration.

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.

RE FIGHTING MEASURES

Flammable Properties

Flash Point : 445 F (229 C) Method: COC (grade 15W-40)
525 F (274 C) Method: COC (grade 30/40)

Flash point(s) given above are typical values.

Autoignition : Undetermined
Flammable limits in Air, % by Volume
LEL : Undetermined
UEL : Undetermined

NFPA Classification : Class IIIB Combustible Liquid.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO₂.

Fire Fighting Instructions

Water or foam may cause frothing. Use water to keep

flush spills away from exposures.

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.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Remove source of heat, sparks, and flame.

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Recover free liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material.

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing mist. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Wash contaminated clothing prior to reuse.

Handling (Physical Aspects)

Close container after each use. Do not pressurize, cut, weld, braze, solder, grind, or drill on or near full or empty container. Empty container retains residue (liquid and/or vapor) and may explode in heat of a fire.

Storage

- Store in accordance with National Fire Protection Association recommendations. Store in a cool, dry place. Store in a well ventilated place. Store away from oxidizers, heat, sparks and flames.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

VENTILATION

Normal shop ventilation.

Personal Protective Equipment

RESPIRATORY PROTECTION

None normally required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Select appropriate NIOSH-approved respiratory protective equipment when exposed to sprays or mists. Proper respirator selection should be determined by adequately trained personnel and based on the contaminant(s), the degree of potential exposure, and published respirator protection factors.

PROTECTIVE GLOVES

Should be worn when the potential exists for prolonged or repeated skin contact. NBR or neoprene recommended.

EYE PROTECTION

Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT

Coveralls with long sleeves if splashing is probable.

OTHER PRECAUTIONS

Avoid any prolonged or repeated skin contact with "used" motor oil. Wash thoroughly with soap and water after contact.

Exposure Guidelines

Applicable Exposure Limits

If oil mist is generated, exposure limits apply.

PEL (OSHA) : 5 mg/m³, 8 Hr. TWA

TLV (ACGIH) : 5 mg/m³, 8 Hr. TWA, STEL 10 mg/m³

Notice of Intended Changes (1997)

5 mg/m³, 8 Hr. TWA, (As sampled by

AEL * (DuPont) : 5 mg/m³, 8 Hr : 4

* AEL is DuPont'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 : Not Available
Vapor Pressure : Nil
Vapor Density : >1 (Air=1.0)
% Volatiles : Nil
Evaporation Rate : Nil
Solubility in Water : Insoluble
Odor : Petroleum Hydrocarbon (mild).
Form : Liquid.
Color : Brown (light).
Specific Gravity : 0.86 @ 60 F (16 C)
Density : 7.21-7.28 lb/gal @ 60 F (16 C)

STABILITY AND REACTIVITY

Chemical Stability

Stable.

Conditions to Avoid

Heat, sparks, and flames.

Incompatibility with Other Materials

Incompatible or can react with oxidizers.

Decomposition

Normal combustion forms carbon dioxide; incomplete combustion may produce carbon monoxide.

Polymerization

TOXICOLOGICAL INFORMATION

Animal Data

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors.

"USED" Motor Oil -

Laboratory studies with mice have shown that "Used" motor oil applied repeatedly to the skin caused skin cancer. In these studies, the "Used" motor oil was not removed between applications.

ECOLOGICAL INFORMATION

Ecotoxicological Information

No specific aquatic data available for this product.

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.

Container Disposal

Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All other containers should be disposed of in an environmentally safe manner.

TRANSPORTATION INFORMATION

Shipping Information

DOT
Not regulated.

CAO/IMO
Not restricted.

REGULATORY INFORMATION

U.S. Federal Regulations

OSHA HAZARD DETERMINATION

Under normal conditions of use, this material is not known to be 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.

SARA, TITLE III, 302/304

Extremely Hazardous Substance: None

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : No

Chronic : No

Fire : No

Reactivity : No

Pressure : No

SARA, TITLE III, 313

Toxic Chemical: None

TSCA

Material and/or components are listed in the TSCA Inventory of Chemical Substances (40 CFR 710).

RCRA

This material has been evaluated for RCRA characteristics and does not meet hazardous waste criteria if discarded in its purchased form. Because of product use, transformation, mixing, processing, etc., which may render the resulting material hazardous, it is the product user's responsibility to determine at the time of disposal whether the material meets RCRA hazardous waste criteria.

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 : Petroleum Hydrocarbons.
Reportable Quantity : Film or sheen upon or discoloration of any water surface.

State Regulations (U.S.)

CALIFORNIA "PROP 65"

Ingredients subject to Act - None

PENNSYLVANIA WORKER & COMMUNITY RIGHT TO KNOW ACT

Ingredients subject to Act - None

Canadian Regulations

This is not a WHMIS Controlled Product.

Transport/Medical Emergency Phone Number: 1-613-348-3616

OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating

Health : 0
Flammability : 1
Reactivity : 0

NPCA-HMIS Rating

Health : 1
Flammability : 1
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 Coordinator

Chemco Inc.

: PO Box 2197

: Houston, TX 77252

Telephone : 1-281-293-5550

Indicates updated section.

End of MSDS

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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Danny Faust - Verbal 7-21-99 16:15</i>	4. Generator <i>NAOCB -</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Benson & Mountain</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington, NM 87401</i>	6. Transporter <i>A PLUS Waste Serv.</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:

Drilling Fluids generated from plugging and abandon operations

RECEIVED
JUL 23 1999
OIL CON. DIV.
DIST. 3

Estimated Volume *240* ~~80~~ *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: *7-23-99*
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. Faust* TITLE: *Geologist* DATE: *7/26/99*
APPROVED BY: *E. Brown* TITLE: _____ DATE: *8/5/99*

Dunn & Forst
verbal
7.21.99
16:15

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: NMOC 1000 Rio BRAZOS Rd Aztec 87410	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Benson & Martin Gallegos Canyon Unit #2	Location of the Waste (Street address &/or ULSTR): K-35-2 9th-12th
Attach list of originating sites as appropriate	
4. Source and Description of Waste Drilling fluid Generated from Plugging and Abandonment Operations Low H ₂ O Loss Bentonite mud	

I, CHARLIE T PERRIA representative for:
(Print Name)
NMOC do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Charlie T Perri

Title: Field Rep II

Date: 7-22-99

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: 98061

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/>	4. Generator <u>Halliburton</u>
Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	5. Originating Site <u>Former Waste Site</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 US Highway 64 Farmington, NM 87401</u>	8. State <u>New Mexico</u>
7. Location of Material (Street Address or ULSTR)	<u>2600 Bloomfield HWY 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:

Monitor Well purge water.

RECEIVED
JUL - 8 1999

OIL CON. DIV.

Hauled to Key Disposal
557 4/12/01

Estimated Volume 6 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: 7.6.99
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. Fout TITLE: Geologist DATE: 7/12/99

APPROVED BY: E. Beal TITLE: - DATE: ✓

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Halliburton 4100 Clinton Drive Houston, TX 77001-0003	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Former Welltex Facility	Location of the Waste (Street address &/or ULSTR): 2600 Bloomfield Highway Farmington, NM
Attach list of originating sites as appropriate	
4. Source and Description of Waste Monitor well purge water	

I, Marty Cox representative for:
(Print Name)

Halliburton do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ **EXEMPT** oilfield waste ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Marty Cox agent for Halliburton

Title: Geologist

Date: July 6, 1999

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
Artesia, 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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>Denny Fouch 7.1.99 8:00 AM</i>	4. Generator <i>PESCO</i>
2. Management Facility Destination <i>Envirotech Soil Remediation Facility Landfarm #2</i>	5. Originating Site <i>Main Yard</i>
3. Address of Facility Operator <i>5796 US 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. <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.	<i>5680 Hwy 64 Farmington NM 87401</i>

BRIEF DESCRIPTION OF MATERIAL:

Solids generated from cleaning & refurbishing production storage tanks, separators, hydrators & other production equipment

RECEIVED
JUL - 9 1999
OIL CON. DIV.
DIST. 3

Estimated Volume *96000* Known Volume (to be entered by the operator at the end of the haul) *8965* cy

SIGNATURE: *Harlan M. Brown* TITLE: *Landfarm Manager* DATE: *7.1.99*
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 Fouch* TITLE: *Geologist* DATE: *7/1/99*
APPROVED BY: *E. Fouch* TITLE: *—* DATE: *—*

Jn: 92142

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: PESCO 5680 Highway 64 Farmington, New Mexico 87401	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico
3. Originating Site (name): Process Equipment & Service Company 5680 US Highway 64 Farmington, New Mexico 87401	Location of the Waste (Street address &/or ULSTR): Mainyard, stored in 55 gallon drums & 18 Cubic Foot Steel Boxes.
Attach list of originating sites as appropriate	
4. Source and Description of Waste Solids generated from cleaning and refurbishing production storage tanks, separators, dehydrators, and other production equipment.	

I, Gary Howe (Print Name) representative for:
Process Equipment and Service Company, Inc. do hereby certify that,
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):
☐ RCRA Hazardous Waste Analysis
☐ Chain of Custody

Name (Original Signature): Gary W Howe
Title: Safety Director
Date: 7-1-99



Process Equipment & Service Company, Inc.

8680 U.S. HIGHWAY 64 • 87401 / P.O. BOX 929 • 87499
FARMINGTON, NEW MEXICO
PHONE: (505) 327-2222 • FAX: (505) 327-7650

NORM SURVEY DATA SHEET

Facility / location: PESCO YARD Date: 7-1-99

Meter Model: DOSIMETER 3007A Serial No: 9808-238

Detector Model: DOSIMETER 3012 Serial No: 201-887-7100

Calibration Date: 4-5-99

Battery Check: (X)

Background Radiation Level:

15 CPM 0.025 mR/hr 0.000025 R/hr

Description of material surveyed:

Item / Material Surveyed:

Waste Material: 9 CONTAINERS approx. gals

Equipment:

Manufacturer: _____

CPM: 17

mR/hr: 0.028

R/hr: 0.000028

Serial No: _____

Description: SCALE + SLUDGE

Job No: _____

Comments:

9 - 3' X 3' X 18" CONTAINERS

Survey Conducted by: GARY W HOWE

(Print Name)

Gary W Howe

(Signature)