

NM1-11

C-138

Date: 1993

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator Meridian	
2. Destination LF #2 - A22	5. Name of Originating Site Val Verde Plant	
3. Address of Facility Operator 5796 US Hwy 64-3014	6. Name of Transporter Riley Industrial	
7. Location of Material (Street Address or ULSTR) Meridian Val Verde Plant A-14-T29N-R11W	8. State NM	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Continued Charcoal Filter Media

to Landfarm #2 - A-22

RECEIVED
FEB - 3 1994
OIL CON. DIV
DIST. 3

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LANDFARM SUPERVISOR DATE 7/12/93

TYPE OR PRINT NAME ROBERT YOUNG TELEPHONE NO. 505-633-0615

(This space for State Use)

APPROVED BY [Signature] TITLE _____ DATE 2/3/94

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Found missing during informal Audit

ENV RO TECH NC.

92197
LF2-A22
7/13/93 Rec bcy

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Valverde Plant M 01
Source of Contamination: Charcoal filter Medium
Generator: Meridian Oil Co.
Disposal Location: Envirotech, Inc. Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 Landfarm #2 ✓ X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Charles M Boughan
Company: Riley Industrial

Signature: Charles M Boughan
Date: 7/13/93

Sept 10, 93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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>9:30 AM Roger Anderson - Ponnie</i>	4. Generator <i>Hicks Oil & Gas</i>	
2. Destination <i>Enviro Tech Inc Land Area II</i>	5. Name of Originating Site <i>#37 Disposal Well "D"</i> <i>Southeast Cha Cha</i>	
3. Address of Facility Operator <i>5796 US Hwy 64 Farmington, NM</i>	6. Name of Transporter <i>CBT Trucking Co</i>	
7. Location of Material (Street Address or ULSTR) <i>Sec 15 T28N R13W ULO</i>	8. State <i>NM</i>	
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Tank bottoms associated with water injection well operations

RECEIVED

SEP 14 1993

OIL CON. DIV./
DIST. 3

B-12
C-12

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): *400* cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Frankwold* TITLE *Const Supt* DATE *9-10-93*

TYPE OR PRINT NAME *VERL FRANKWOLD* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Dennis G. Fount* TITLE *Geologist* DATE *9/14/93*

APPROVED BY *Ernie Busch* TITLE *Geol* DATE *9/14/93*

CONDITIONS OF APPROVAL, IF ANY:

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

RECEIVED

SEP 14 1993

OIL CON. DIV
DIST. 3

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: SOUTHEAST CHA CHA WATER DISPOSAL WELL "O" Sec.15,T28N,R13WSource: Storage Tank BottomsDisposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

I, the undersigned as the agent for the Hicks Oil & Gas, Inc.
concur with the status of the waste from the subject site.

Name Ronnie BensonTitle/Agency Agent
Hicks Oil & Gas, Inc.Address P.O. Drawer 3307, Farmington, NMSignature Ronnie BensonDate 9/10/93

ENV RO' TECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Hicks Oil Disposal Facility
Source of Contamination: Oil
Generator: Hicks Oil
Disposal Location: Envirotech, Inc. Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

RECEIVED
SEP 14 1993
OIL CON. DIV.
DIST. 3

Name: AL Sample
Company: C & J Trucking
Farmington NM

Signature: al sample
Date: 10 Sept 93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Hicks Disposal
Source of Contamination: Oil Field Waste
Generator: Hicks
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

RECEIVED
SEP 14 1993
OIL CON. DIV. 1
DIST. 3

Name: John Hunt
Company: 3 Rivers Trucking

Signature: [Signature]
Date: 9-13-93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 MOBIL OIL / EPNG	
2. Destination ENVIRATECH SOIL REMEDIATION FACILITY, HILTOP, NH	5. Name of Originating Site DENY P.T.	
3. Address of Facility Operator 5796 US HWY 64-3014, FARMINGTON, NH 87401	6. Name of Transporter ENVIRATECH INC.	
7. Location of Material (Street Address or ULSTRI) So. UTE 42-4 SE/NE S4, T32N, R7W, N4PM	8. State COLORADO	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM DEHYDRATOR PIT AREA, MOBIL OIL WELL / EPNG SALES LINE, LA PLATA COUNTY, CO.

RECEIVED
SEP 17 1993
OIL CON. DIV.
DIST. 3

C-13
D-13

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Verl Farnsworth TITLE Const Supt DATE 9-8-93

TYPE OR PRINT NAME VERL FARNSWORTH TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Fout TITLE Geologist DATE 9/21/93

APPROVED BY Ernie Borch TITLE Geol DATE 9-21-93

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: MOBIL OIL, SO. OF 42-4, LARREA CO, CO
Source: DEHYDRATE PIT (EPNG SITES LINE)
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1983 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the MOBIL E&P U.S. INC.
concur with the status of the waste from the subject site.

Name PETE W. RICHARDSON

Title/Agency ENVIRONMENTAL & REGULATORY
ENGINEERING ADVISOR

Address MOBIL OIL 12450 GREENS POINT
HOUSTON, TX 77060

Signature Peter W. Richardson

Date 9-9-93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

September 17, 1993

Mr. Denny Foust, Deputy Oil & Gas Inspector
New Mexico Oil Conservation Division
Aztec, New Mexico 87410

RE: Request to Receive
Southern Ute 42-4 Dehydrator Pit
SE/NE Sec. 4, T32N, R7W, NMPM

Project: 93172-13

Dear Mr. Foust:

On behalf of Mobil Oil, Envirotech requests permission to receive hydrocarbon contaminated media from the referenced Mobil Oil well site located on the Southern Ute Indian Reservation, La Plata County, Colorado at the Envirotech Soil Remediation Facility (ERSF), Hilltop, New Mexico.

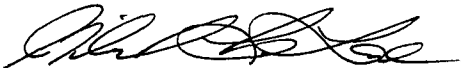
Following the regulations of the New Mexico Oil Conservation Division and the permit to operate the ESRF, attached are copies of a "Request for Approval to Accept Solid Waste" and "CERTIFICATE OF WASTE STATUS; OILFIELD EXEMPT WASTE" sign by the generator (Mobil Oil on September 9, 1993). As this is oilfield production exempt waste, no further testing is required.

As requested by the Bureau of Indian Affairs (BIA), attached are copies of the laboratory analyses of soil samples collected during a pit assessment conducted on September 10, 1993 by Envirotech.

The BIA indicated their concurrence as noted in their letter to Mobil on September 14, 1993, stating that "The materials should be considered as non-hazardous oilfield waste and not subject to the restrictions placed upon listed or characteristic hazardous wastes."

Please contact us if you have any further questions regarding this request.

Respectfully submitted,
ENVIROTECH INC.



Michael K. Lane, P.E.
Project Manager

ATTACHMENTS: BIA Approval Letter to Mobil Oil, September 14, 1993
Request for Approval to Accept Solid Waste
CERTIFICATE OF WASTE STATUS; OILFIELD EXEMPT WASTE
Laboratory Analyses: (2) BTEX [8020] and (2) TPH [418.1]

CC: Southern Ute Indian Tribe: Environmental Programs

MKL/mkl:3172-13.LTR

RECEIVED
SEP 17 1993
OIL CON. D
DIST. 3



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

SEP 14 1993

Peter W. Richardson, Environmental/Regulatory
Mobil Exploration & Producing U.S. Inc.
Houston Division
12450 Greenspoint Drive
Houston, Texas 77060-1991

Re: Disposal of Contaminated Oilfield
Materials from Locations within
the Boundary of the Southern Ute
Indian Reservation.

Gentlemen:

This letter is to authorize the removal and treatment of materials from well locations, as outlined on the attached exhibit, operated by Mobil Exploration & Producing U.S. Inc., on the Southern Ute Indian Reservation.

It is understood that you are presently testing each site to determine which will need remediation. Prior to any soils being removed from any site the necessary test data will need to be provided to both the Tribe and the State of New Mexico. Per the regulations of the New Mexico Oil conservation Commission, you will need to verify these materials have been laboratory tested for hazardous characteristics; ignitability, corrosivity, reactivity, and toxicity and found to be non-hazardous. The materials should be considered as non-hazardous oilfield waste and not subject to the restrictions placed upon listed or characteristic hazardous wastes.

All test data should be forwarded to the Southern Ute Environmental Office for their review. Your procedures for testing and handling of materials should comply with those currently outlined by BLM, New Mexico, regulations. You will also need to comply with any stipulations imposed by the Southern Ute Tribe.

If you have any questions, please contact our Realty Office (303) 563-4514.

Sincerely

Eileen Candelaria

Superintendent

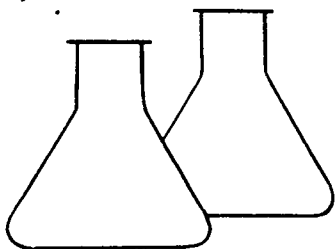
John

DOE NO. 339 10:25 08/20/93 REPUS ECR LE-15-HOUSTON - 505 532 1865

Well Name	Well #	Producing Zone	Lease #	Pit Y/N	Type of Pit(s) (lined, fiberglass tank, earthen, other (describe))	Mobil or Pipeline
Colorado 32-8	2	PC, MV	142015126			
Bondad 34-10	7	MV	142015130			
Bondad 34-10	6	MV	142015130			
Bondad 34-10	4	MV	142015130			
Bondad 34-10	3-X	MV	142015130			
Bondad 34-10	2	MV	142015130			
Ignacio 33-8	12-5	MV	14201518			
Colorado 32-8	1-6	PC, MV	14201519			
Moccasin Canyon	F12X-24G		COC12606			
Colorado 32-7	9	FR	COC51389			
Ignacio 33-7	15-2	FR	COC52222			
Colorado 32-7	15	FR	COC52388			
Colorado 32-7	14	FR	COC52389			
Schofield Auto	31X-5-2	FR	COC52436			
Colorado 32-7	10-2	FR	COC52437			
Colorado 32-7	12	FR	COC52438			
Colorado 32-7	13	FR	COC52439			
Southern Ute	24-10-2	FR	COC52440			
Ignacio 33-7	8-2	FR	COC52441			
Southern Ute	22-33-2	FR	COC53039			
Ignacio 33-7	16-2	FR	COC53108			
Ute Indian	3-12	KT, PC	MOOC14201660			
Ute Indian	2-12	MV, DK	MOOC14201660			
Ute Indian	1-12	MV, DK	MOOC14201660			
Ute Indian	1-1	DK	MOOC14201660			
Ute	1-11	PC, NB	MOOC14201661			
	14-32	PL	SWI4058			
Ignacio 33-7	8	MV	SWI4058			
McCulloch	3	MV	SWI4060			
Colorado 32-7	1	MV	SWI4065			
Colorado 32-7	2	MV	SWI4102			
Southern Ute	24-10	MV	SWI4124			
Bondad 34-10	5	MV	SWI4135			
Colorado 32-7	16	MV	SWI4138			
Colorado 32-7	4	MV	SWI4138			
P. Wright/S. Ute	11	PL	SWI4139			
Colorado 32-7	5	MV	SWI4139			
Southern Ute	22-33	MV	SWI4147			
Colorado 32-7	8	MV	SWI4150			
Ignacio 33-7	15	MV	SWI4151			
Colorado 32-7	10	MV	SWI4164			
Southern Ute	42-4	MV	SWI4164			
Schofield Auto	11-5	PL	SWI4173			
Schofield Auto	31X-5	MV	SWI4173			
Ignacio 33-7	16	MV	SWI4205			

Schofield Auto 41-6

UTE INDIAN 1-1



ENV RO' ECH LABS

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

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Mobil Oil	Project #:	93172-13
Sample ID:	5 @ 4' - Dehy	Date Reported:	09-15-93
Laboratory Number:	6082	Date Sampled:	09-10-93
Sample Matrix:	Soil	Date Received:	09-10-93
Preservative:	Cool	Date Extracted:	09-13-93
Condition:	Cool & Intact	Date Analyzed:	09-15-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	37.0
Toluene	271	44.4
Ethylbenzene	ND	14.8
p,m-Xylene	71	22.2
o-Xylene	18.9	14.8

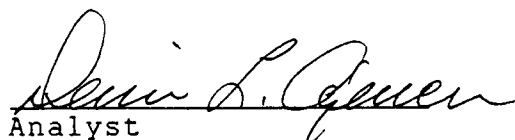
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	103 %
	Bromofluorobenzene	94 %

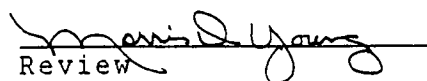
Method: Method 5030A, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

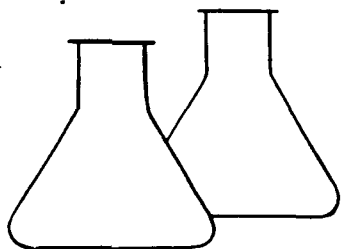
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 42-4 Dehydrator & Separator Pit


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Mobil Oil	Project #:	93172-13
Sample ID:	Composite-Sep	Date Sampled:	09-10-93
Laboratory Number:	6081	Date Received:	09-10-93
Sample Matrix:	Soil	Date Analyzed:	09-13-93
Preservative:	Cool	Date Reported:	09-13-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	4,070	50.0

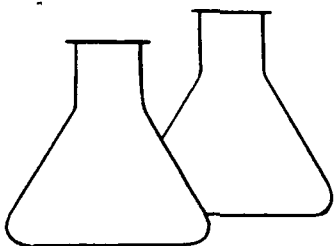
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Southern UTE 42-4, Dehy. & Sep. Pit.

A. Chabaling
Analyst

Morgan D. Young
Review



ENVIROTECH LABS

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

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Mobil Oil	Project #:	93172-13
Sample ID:	Composite - Sep	Date Reported:	09-15-93
Laboratory Number:	6081	Date Sampled:	09-10-93
Sample Matrix:	Soil	Date Received:	09-10-93
Preservative:	Cool	Date Extracted:	09-13-93
Condition:	Cool & Intact	Date Analyzed:	09-15-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	33.3
Toluene	ND	40.0
Ethylbenzene	ND	13.3
p,m-Xylene	88	20.0
o-Xylene	28.0	13.3


SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	105 %
	Bromofluorobenzene	108 %

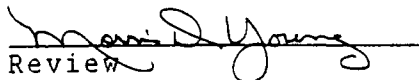
Method: Method 5030A, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

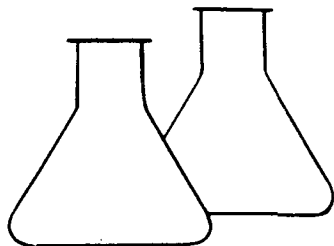
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 42 - 4 Dehydrator and Separator Pit


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Mobil Oil	Project #:	93172-13
Sample ID:	5 @ 4'-Dehy	Date Sampled:	09-10-93
Laboratory Number:	6082	Date Received:	09-10-93
Sample Matrix:	Soil	Date Analyzed:	09-13-93
Preservative:	Cool	Date Reported:	09-13-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	12,300	50.0

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

Method: Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and
Waste, USEPA Storet No.4551, 1978

Comments: Southern UTE 42-4, Dehy. & Sep. Pit.

An Chahar
Analyst

Marin D Young
Review

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: SOUTHERN UTE 42-4, SE/NE, SEC 4, T32N, R7W, N.M.P.M.

Source of Contamination: ^{DEHY}SEP. EARTHEN PIT

Generator: MOBIL OIL Prod. No: 93172-13

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

C3/D3

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: MICHAEL K. LANE

Company: ENVIROTECH INC.

Signature: [Signature]

Date: 9/30/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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>Roger Andersen 8-9-93</i>	4. Generator <i>Gary Engray</i>	
2. Destination <i>Envirotech Inc. Land farm #2</i>	5. Name of Originating Site <i>Truck Turnover</i>	
3. Address of Facility Operator <i>5796 US Highway 64</i>	6. Name of Transporter <i>Envirotech Inc</i>	
7. Location of Material (Street Address or ULSTRI) <i>Hwy 84 mile marker 286</i>	8. State <i>NM</i>	
9. Check One		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated soils resulting from a tanker rollover on Hwy 84 South of the New Mexico Colorado border. Material located in a major drainage channel.

RECEIVED
SEP - 8 1993
OIL CON. DIV.
DIST. 3

RECEIVED
AUG 25 1993
OIL CON. DIV.
H-14, 15, 16
I-14, 15, 16

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): 1204 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Yael Farnsworth TITLE Asst Supt DATE 8-25-93

TYPE OR PRINT NAME Yael Farnsworth TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Fournier TITLE Geologist DATE 8/25/93

APPROVED BY Roger Andersen TITLE Env. Bureau Chief DATE 9/2/93

CONDITIONS OF APPROVAL, IF ANY:

Note Tanker rollover - ED approved 133

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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>Roger Andersen 8-9-93</i>	4. Generator <i>Gary Energy</i>	
2. Destination <i>Envirotech Inc Land farm #2</i>	5. Name of Originating Site <i>Truck Turnover</i>	
3. Address of Facility Operator <i>5796 US Highway 64</i>	6. Name of Transporter <i>Envirotech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>Hwy 84 mile marker 286</i>	8. State <i>NM</i>	
9. <u>Check One</u>		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated soils resulting from a tanker rollover on Hwy 84 South of the New Mexico Colorado border. Material located in a major drainage channel.

RECEIVED
AUG 25 1993
OIL CON. DIV.
DIST. 3

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Neil Frankworth* TITLE *Genl Supt* DATE *8-25-93*

TYPE OR PRINT NAME *Neil Frankworth* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Feunt* TITLE *Geologist* DATE *8/25/93*

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Sent 8/25/93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Gary Energy - Hwy 84
Source of Contamination: Truck Rollover
Generator: Crude Truck
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: VERI FARENSWORTH

Company: Envirotech Inc

Signature: Veri Farensworth

Date: 8-24-93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

RECORD OF COMMUNICATION

JOB NUMBER:

TO: MORRIS D. YOUNG

FROM: ROGER ANDERSON - OCD

DATE: August 9, 1993

TIME: 9:28

PHONE NUMBER: 827-5884

TYPE OF CONTACT: ^{Telephone} Requested authorization to clean up Gary Energy
SUBJECT: Creeds oil spill on Highway 84 1 1/2 miles

NOTES: South of Colorado / New Mexico Border.

Roger said he had received Verbal authorization from the ED on an Emergency basis to authorize clean up, Transport & Storage of the spill material on plastic at our NMOC facility. The material has to be covered with plastic and TCLP tested. A report to NMOC & ED is required. Roger stated he would log in this authorization on his notes today.

SUMMARY OF COMMUNICATION:

me

CH, INC.

796

S

HWAY 64-3014

FTON, NM 87 01

PBC

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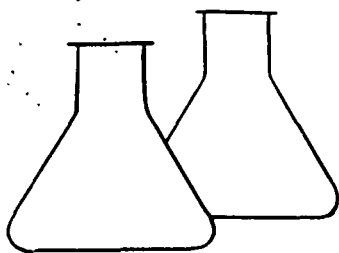
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FAX:

(50

632-

865



ENVIROTECH LABS

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

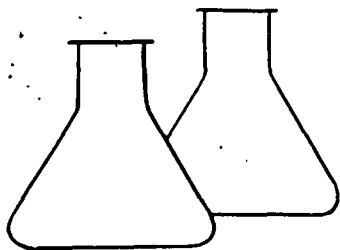
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Gary Energy	Project #:	93178
Sample ID:	#1 Crude Spill	Date Reported:	08-17-93
Laboratory Number:	5896	Date Sampled:	08-16-93
Sample Matrix:	Soil	Date Received:	08-16-93
Preservative:	Cool	Date Extracted:	08-16-93
Condition:	Cool & Intact	Date Analyzed:	08-17-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	103 %
Bromofluorobenzene	111 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: #1 Crude Spill
Laboratory Number: 5896

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

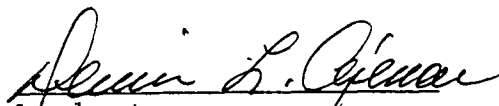
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

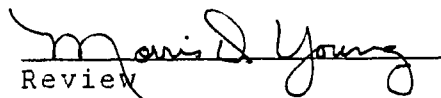
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

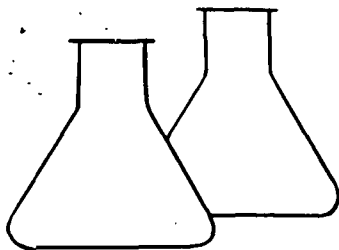
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Highway 84, Chromo


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	Gary Energy	Project #:	93178
Sample ID:	#1 Crude Spill	Date Reported:	08-18-93
Laboratory Number:	5896	Date Sampled:	08-16-93
Sample Matrix:	Soil	Date Received:	08-16-93
Preservative:	Cool	Date Extracted:	08-16-93
Condition:	Cool & Intact	Date Analyzed:	08-17-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	97 %
	2,4,6-tribromophenol	97 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

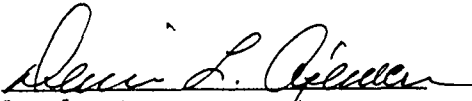
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

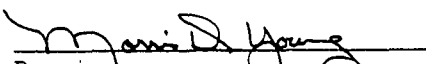
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

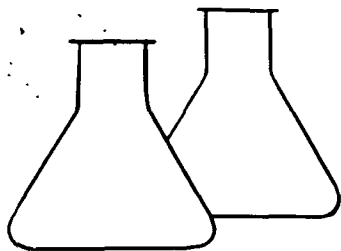
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Highway 84, Chromo


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Gary Energy	Project #:	93178
Sample ID:	#1 Crude Spill	Date Reported:	08-18-93
Laboratory Number:	5896	Date Sampled:	08-16-93
Sample Matrix:	Soil	Date Received:	08-16-93
Preservative:	Cool	Date Extracted:	08-16-93
Condition:	Cool and Intact	Date Analyzed:	08-17-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	104 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

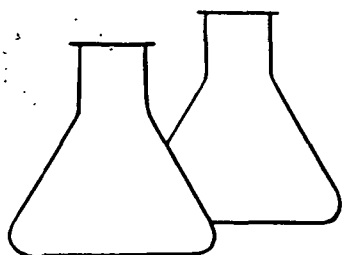
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Highway 84, Chromo

Kevin L. Gerner
Analyst

Mari D. Young
Review



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

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Gary Energy	Project #:	93178
Sample ID:	#1 Crude Spill	Date Reported:	08-20-93
Laboratory Number:	5896	Date Sampled:	08-16-93
Sample Matrix:	Soil	Date Received:	08-16-93
Preservative:	Cool	Date Analyzed:	08-20-93
Condition:	Cool & Intact	Date Extracted:	08-16-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	2.8	0.1	100.0
CADMIUM	0.007	0.001	1.000
CHROMIUM	0.007	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

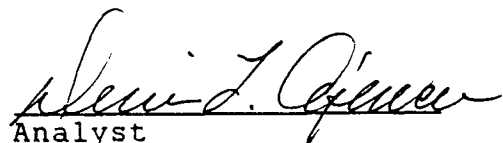
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

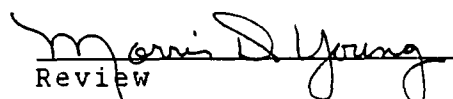
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

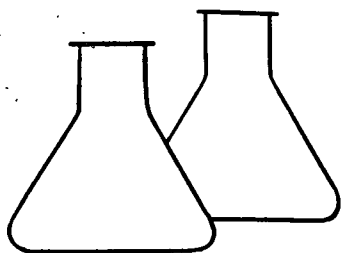
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Highway 84, Chromo


Analyst


Review



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

RCRA CHARACTERISTICS

Client:	Gary Energy	Project #:	93178
Sample ID:	#1 Crude Spill	Date Reported:	08-16-93
Lab ID#:	5896	Date Sampled:	08-16-93
Sample Matrix:	Soil	Date Received:	08-16-93
Preservative:	Cool	Date Analyzed:	08-16-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.78

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

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

Comments: \leq pH 2 or \geq pH 12.5 is hazardous waste.
Highway 84, Chromo.

An Chaharlang
Analyst

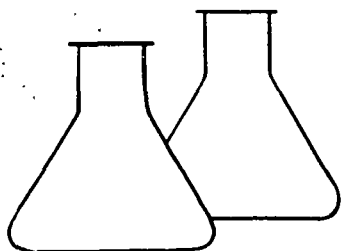
Mari D. Young
Reviewed

ENVIROTECH LABORATORIES

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

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

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

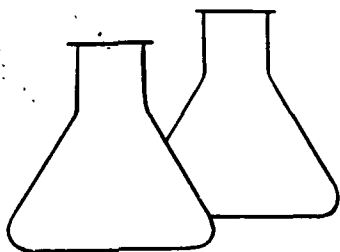
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	08-17-93
Laboratory Number:	0817tcv.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	08-17-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	90 %
Bromofluorobenzene	97 %



ENVIROTECH LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0817tcv.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

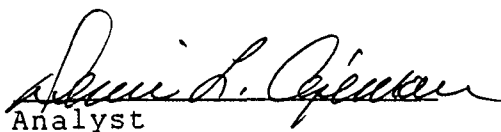
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

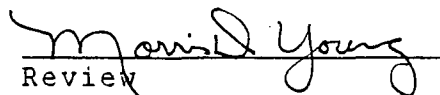
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

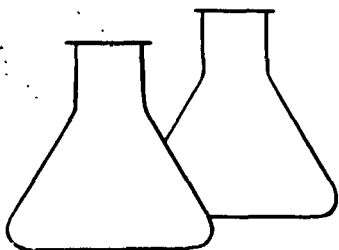
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	08-18-93
Laboratory Number:	0817tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	08-17-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	102 %
	2,4,6-tribromophenol	100 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.


Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

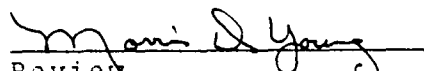
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

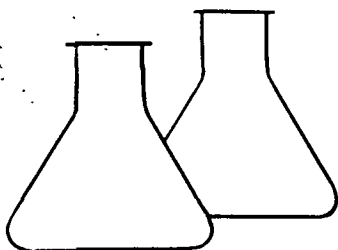
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	08-18-93
Laboratory Number:	0817tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	08-17-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	95 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

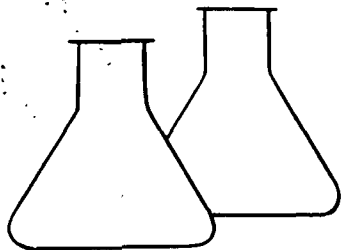
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Spencer
Analyst

Monica D. Young
Review



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

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	08-20-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	08-20-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

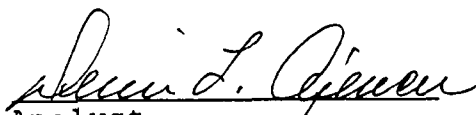
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

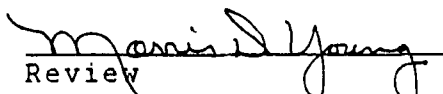
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

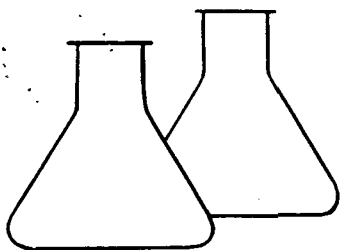
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

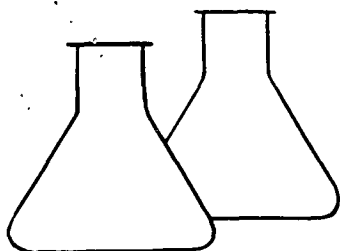
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-17-93
Laboratory Number:	0816TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	08-16-93
Condition:	Cool & Intact	Date Analyzed:	08-17-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	103 %
Bromofluorobenzene	105 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 0816TCV.MB

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

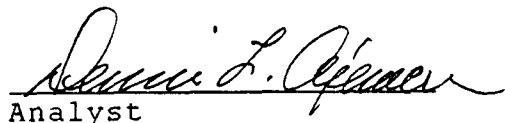
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

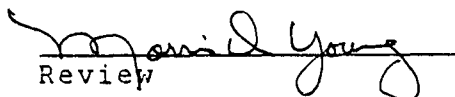
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

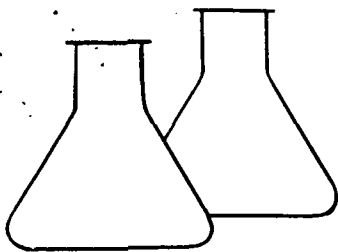
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-18-93
Laboratory Number:	0816TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	08-16-93
Condition:	Cool & Intact	Date Analyzed:	08-17-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

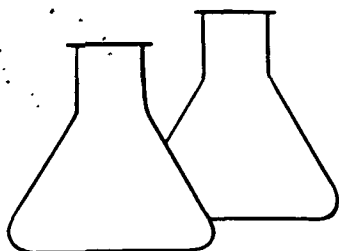
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

David L. Gorman
Analyst

Maria D. Young
Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-18-93
Laboratory Number:	0816TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	08-16-93
Condition:	Cool and Intact	Date Analyzed:	08-17-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	101 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

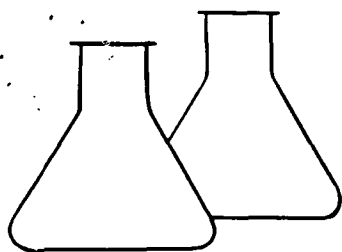
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Devin L. Rivera
Analyst

Morgan D. Young
Review



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EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-20-93
Laboratory Number:	08-16-MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Analyzed:	08-20-93
Condition:	NA	Date Extracted:	08-16-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

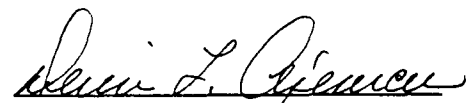
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

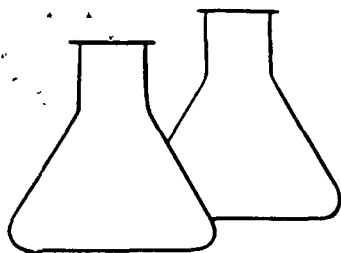
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank


Analyst


Review



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

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	08-17-93
Laboratory Number:	5896STCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	08-17-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	13.2	7.4	91	28-163
2-Butanone	ND	10.0	10.2	5.5	93	47-132
1,1-Dichloroethene	ND	10.0	11.3	5.4	102	43-143
Chloroform	ND	10.0	9.6	5.0	96	49-133
Carbon Tetrachloride	ND	10.0	10.2	5.0	102	43-143
Benzene	ND	10.0	9.7	5.0	95	39-150
1,2-Dichloroethane	ND	10.0	9.7	5.2	97	51-147
Trichloroethene	ND	10.0	9.0	5.0	89	35-146
Tetrachloroethene	ND	10.0	13.2	5.0	105	26-162
Chlorobenzene	ND	10.0	10.8	5.0	108	38-150
1,4-Dichlorobenzene	ND	10.0	9.8	5.0	98	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

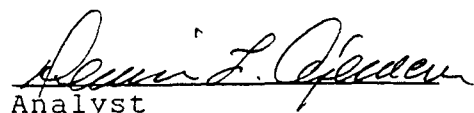
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, Sept. 1986

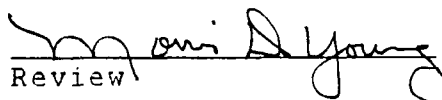
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

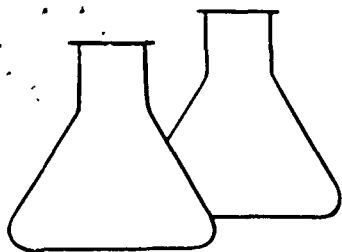
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-20-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	08-20-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.101	101
BARIUM	10.0	2.8	12.7	99
CADMIUM	0.100	0.007	0.104	97
CHROMIUM	0.200	0.007	0.206	99
LEAD	0.200	ND	0.201	101
MERCURY	0.050	ND	0.052	104
SELENIUM	0.100	ND	0.102	102
SILVER	1.00	ND	0.997	100

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

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Cramer
Analyst

Margaret D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name 93178 GARY ENERGY			Project Location HIGHWAY 84, CHROMO		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>Morgan D. Young</i>			Chain of Custody Tape No.		No. of Containers 1	RLP 40 HEB 57251						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
#1 CRUDE SPILL	8/16/93	7:00	5896	Soil								
Relinquished by: (Signature) <i>Morgan D. Young</i>			Date 8/16/93	Time 7:50	Received by: (Signature) <i>Shirley L. Cramer</i>			Date 8/16/93	Time 7:50			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

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

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Gary Energy - Hwy 84
Source of Contamination: Truck Rollover
Generator: Crude Truck
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: VERI FARNSWORTH

Company: Envirotech Inc

Signature: Veri Farnsworth

Date: 8-24-93

92118

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☐ OIL CONSERVATION DIVISION
 Verbal Approval Received: Yes ☐ No ☐ RECEIVED

4. Generator

Wash Bay Solids

2. Destination

5. Name of Originating Site

HAM Shop

3. Address of Facility Operator

6. Name of Transporter

Envirotech Inc

7. Location of Material (Street Address or ULSTR)

8. State

NM

9. Check 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids generated from wash bay operations
 at Company Shop at 1125 US Hwy 550
 Aztec, N.M.

RECEIVED

SEP - 8 1993

OIL CON. DIV
DIST. 3

RECEIVED

AUG 25 1993

OIL CON. DIV
DIST. 3Landfarm I
A-3

Estimated Volume 6 barrels cy Known Volume (to be entered by the operator at the end of the haul): 5 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE John Farnsworth TITLE Gen'l Supt DATE Aug 25, 93TYPE OR PRINT NAME John Farnsworth TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Jerry G. Fount TITLE Geologist DATE 8/26/93APPROVED BY Roger C. Anderson TITLE Env. Bureau Chief DATE 9/7/93

CONDITIONS OF APPROVAL, IF ANY:

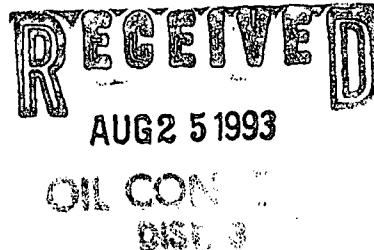
Current T-clip on file.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX	
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Wash Bay Solids</i>		
2. Destination <i>Envirotech Inc Land Farm 2</i>	5. Name of Originating Site <i>HRM Shop</i>		
3. Address of Facility Operator <i>5796 US Hwy 64 Farmington, NM</i>	6. Name of Transporter <i>Envirotech Inc</i>		
7. Location of Material (Street Address or ULSTR) <i>1125 US Hwy 550 Aztec, NM</i>	8. State <i>NM</i>		
9. Check One			
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.			

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids generated from wash bay operations at Company Shop at 1125 US Hwy 550 Aztec, NM.



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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Veri Farnsworth* TITLE *Const Supt* DATE *Aug 25, 93*

TYPE OR PRINT NAME *Veri Farnsworth* TELEPHONE NO. *632-1615*

(This space for State Use)

APPROVED BY *Denny G. Fout* TITLE *Geologist* DATE *8/26/93*

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*Current T-clip on file,
Sent 8/26/93*

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: 1125 US Hwy 550 Aztec Hwy
Source of Contamination: Wash Bay Solids
Generator: HRM Haliburton Resource Management
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Neil Forsworth
Company: Envirotech Inc

Signature: Neil Forsworth
Date: Aug 25, 93


ENV RO TECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

REAFFIRMATION OF WASTE STATUS

I, hereby certify that there has been no change in the processes employed on the chemical stored/used at the facility generating this waste.

Signed 
Date of TCLP _____
Name _____
Company HRM
Site 1125 US Hwy 550
Source Wash Bay
Date Aug 25, 1993

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OIL CON. DIVISION RECEIVED	
2. Destination ENVIROTECH SOIL REMEDIATION FACILITY, HUNTER, NM	4. Generator Mobil Oil	
3. Address of Facility Operator 5916 OS HWY 64-3014 FARMINGTON, NM 87401	5. Name of Originating Site BONDAD 34-10	
7. Location of Material (Street Address or ULSTR) BONDAD 34-10 S25, T34N, R10W, N1PM	6. Name of Transporter ENVIROTECH INC.	
		8. State COLORADO
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM COMPRESSOR / SEPARATOR PIT AREA, MOBIL OIL BONDAD, LA PLATA COUNTY, CO.

RECEIVED
SEP - 8 1993
OIL CON. DIV
DIST. 3

RECEIVED
AUG 17 1993
OIL CON. DIV
DIST. 3
C-B
D-3

Estimated Volume 1 cy Known Volume (to be entered by the operator at the end of the haul): 100 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Paul Farnsworth TITLE Cont Supt DATE 8-6-93

TYPE OR PRINT NAME VERA FARNSWORTH TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Faint TITLE Geologist DATE 8/20/93

APPROVED BY Eugene Anderson TITLE Env Bureau Ch DATE 9/7/93

CONDITIONS OF APPROVAL, IF ANY:

Note last page from BIN

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator Mobil Oil	
2. Destination ENVIRATECH SOIL REMEDIATION FACILITY, HUNTER, NM	5. Name of Originating Site COLORADO 32-7	
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM	6. Name of Transporter ENVIRATECH INC.	
7. Location of Material (Street Address or ULSTR) COLORADO 32-7 S9 T32N R7W	8. State COLORADO	
9. <u>Check One</u>		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM COMPRESSOR / SEPARATOR PIT AREA, MOBIL OIL COLORADO 32-7 LARASA COUNTY, CO.

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DIST. 3

Estimated Volume 1 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE VERI FRANKS TITLE Const Supt DATE 8-6-93
TYPE OR PRINT NAME VERI FRANKS TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 8/20/93
APPROVED BY Gina Bosch TITLE Geol DATE 8/23/93

CONDITIONS OF APPROVAL, IF ANY:

Note Last page from BIFH
Need to go to Santa Fe - 8/26/93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

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OIL CON. DIV.
DIST. 3

Originating Location: MOBIL OIL, COLORADO 32-7, LA PARRA CO, CO

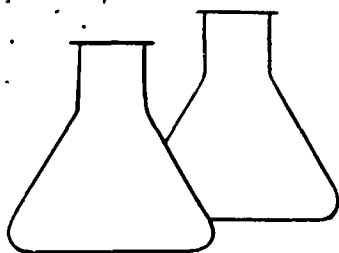
Source: CONCRETE / SOIL REMEDIATION AREA

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

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

I, the undersigned as the agent for the MOBIL E&P U.S. INC.
concur with the status of the waste from the subject site.

Name PETER W. RICHARDSON
Title/Agency ENVIRONMENTAL + REGULATORY
ENGINEERING ADVISOR
Address MOBIL OIL 12450 GREENSPRING
HOUSTON TX 77060
Signature Peter W. Richardson
Date 8-10-93



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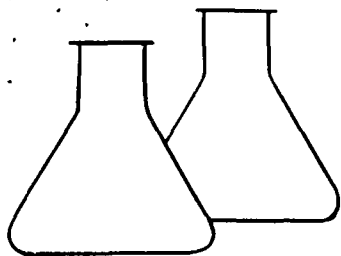
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-28-93
Laboratory Number:	5744	Date Sampled:	07-23-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	91 %
Bromofluorobenzene	99 %



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OIL CON. DIV
DIST. 3

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Composite
Laboratory Number: 5744

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

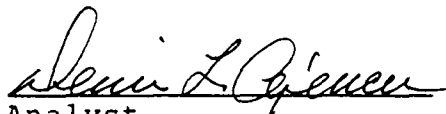
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

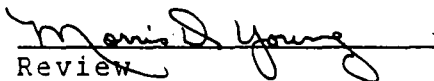
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

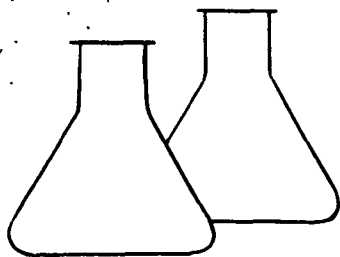
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Colorado 32-7 Compressor Pit Closures


Analyst


Review



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OIL CON. DIV.
DIST. 3

EPA METHOD 8040 PHENOLS

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-30-93
Laboratory Number:	5744	Date Sampled:	07-23-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	91 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

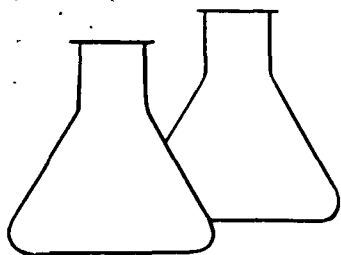
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Colorado 32-7 Compressor Pit Closures

Kevin L. Jensen
Analyst

Maris D. Young
Review



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OIL CON. DIV.
DIST. 3

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-30-93
Laboratory Number:	5744	Date Sampled:	07-23-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	93 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

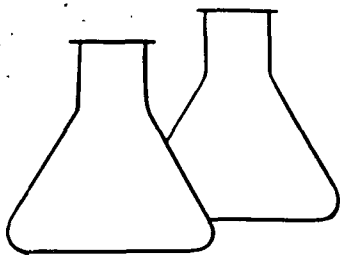
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Colorado 32-7 Compressor Pit Closures

Kevin L. Gieser
Analyst

Marion D. Young
Review



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EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	08-02-93
Laboratory Number:	5744	Date Sampled:	07-23-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Analyzed:	07-30-93
Condition:	Cool & Intact	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.012	0.001	5.000
BARIUM	3.8	0.1	100.0
CADMIUM	0.014	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.008	0.001	5.000
MERCURY	0.003	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	0.01	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

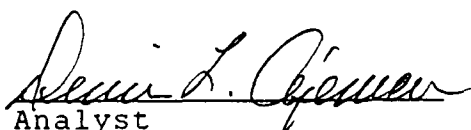
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

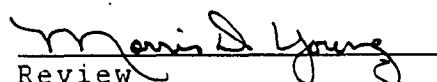
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

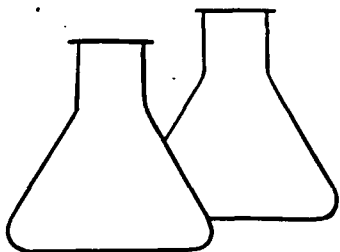
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Colorado 32-7 Compressor Pit Closures


Analyst


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DIST. 3

RCRA CHARACTERISTICS

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-27-93
Lab ID#:	5744	Date Sampled:	07-23-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Analyzed:	07-27-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.15

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

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

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

Colorado 32-7 , Compressor Pit Closures.

Chaharbagh
Analyst

Maris D. Young
Reviewed

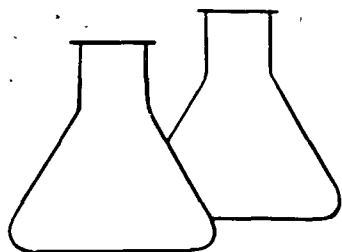
ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

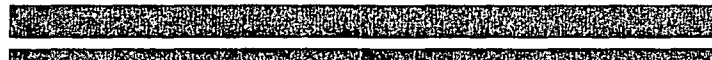
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OIL CON. DIV.
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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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EPA METHODS 8010/8020

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

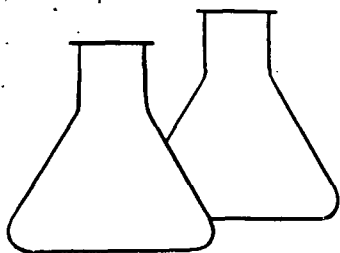
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-29-93
Laboratory Number:	0728tcv.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	89 %
Bromofluorobenzene	105 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0728tcv.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

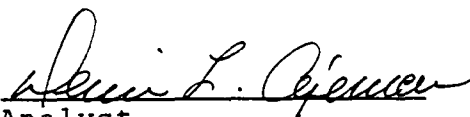
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

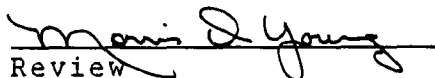
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

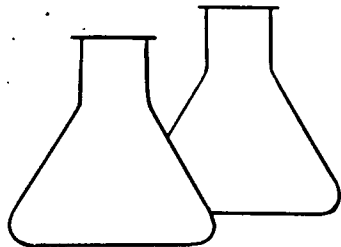
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0730tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	100 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

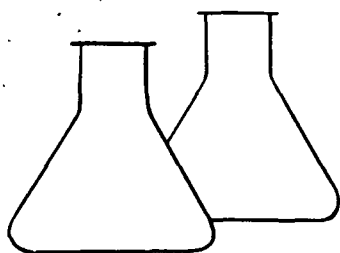
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Devin L. Gentry
Analyst

Morris D. Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0728tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	104 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

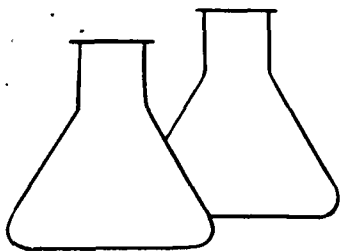
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Geller
Analyst

Morris D. Young
Review



ENV ROTECH LABS

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DIST. 3

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

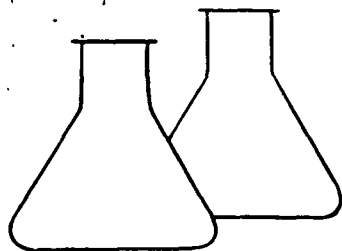
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Givens
Analyst

Maria D. Young
Review



ENV RO' ECH LABS

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

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DIST. 3

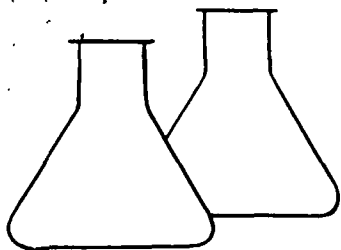
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-29-93
Laboratory Number:	0727TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	90 %
Bromofluorobenzene	94 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 0727TCV.MB

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

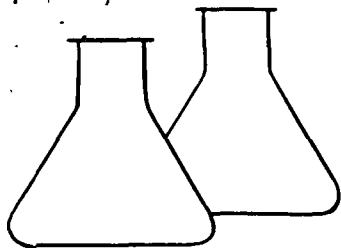
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Shawn L. Givens
Analyst

Monica D. Young
Review



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DIST. 3

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	108 %
	2,4,6-tribromophenol	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

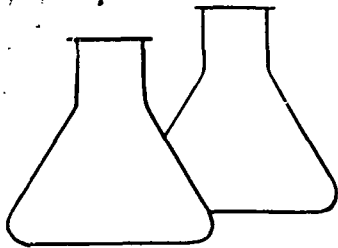
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Steven L. Givner
Analyst

Marion D. Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727BN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	87 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

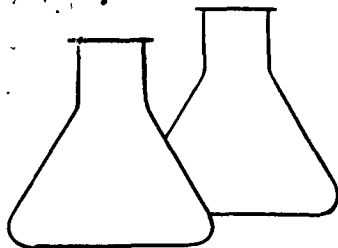
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction and 8090 Concentration Method Blank

Kevin L. Givner
Analyst

Morris D. Young
Review



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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-02-93
Laboratory Number:	07-27-MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

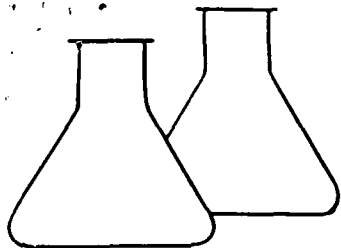
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Kevin L. Jensen
Analyst

Morris D. Young
Review



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OIL CON. DIV.
DIST. 3

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.108	105
BARIUM	10.0	3.8	13.9	101
CADMIUM	0.050	0.014	0.064	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.008	0.103	95
MERCURY	0.025	0.003	0.027	96
SELENIUM	0.100	ND	0.101	101
SILVER	1.00	0.01	1.01	100

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

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

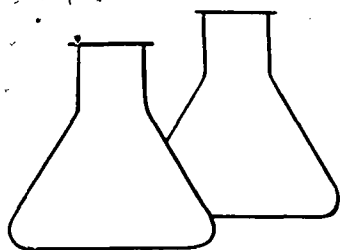
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Steven L. Cramer
Analyst

Monis D. Young
Review



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** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

OIL CON. DIV.
DIST. 3

Client: NA
Sample ID: Laboratory Spike
Laboratory Number: 5760-S-TCV.
Sample Matrix: Soil
Analysis Requested: TCLP
Condition: NA

Project #: NA
Date Reported: 07-29-93
Date Sampled: NA
Date Received: NA
Date Analyzed: 07-28-93

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	15.7	15.3	101	28-163
2-Butanone	ND	10.0	11.1	6.7	92	47-132
1,1-Dichloroethene	ND	10.0	10.9	6.4	95	43-143
Chloroform	ND	10.0	11.2	11.2	112	49-133
Carbon Tetrachloride	ND	10.0	8.7	5.0	87	43-143
Benzene	ND	10.0	10.8	5.1	105	39-150
1,2-Dichloroethane	ND	10.0	8.4	5.0	84	51-147
Trichloroethene	ND	10.0	10.4	5.0	104	35-146
Tetrachloroethene	5.7	10.0	17.6	5.2	112	26-162
Chlorobenzene	ND	10.0	11.0	5.0	110	38-150
1,4-Dichlorobenzene	ND	10.0	10.4	5.0	104	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Givens
Analyst

Moni D. Young
Review

CHAIN OF CUSTODY RECORD

[illegible]

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



United States Department of Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

AUG 19 1993

Mr. M.K. (Myke) Lane
Envirotech Inc.
5796 U.S. Highway 64 - 3014
Farmington, New Mexico 87401

Re: Soil Removal

Dear Mr. Lane:

This letter is written to verify that the soils being removed from the Mobil wells, as listed in your letter of August 12, 1993, are within the boundaries of the Southern Ute Indian Reservation. The following Mobil wells are located on Indian lands:

Colorado 32-7 #4
Colorado 32-7 #5
Bondad 34-10 #3X
Bondad 34-10 #4

It is our understanding that Envirotech is in the process of moving soils contaminated with non-hazardous hydrocarbon saturation to a site in New Mexico. This letter acknowledges this process and gives Envirotech permission to proceed with the removal as long as you are in compliance with all State and Federal laws.

If you should need further assistance, please contact Diana Olguin, Acting Realty Officer at (303) 563-4514.

Sincerely,

Ralph L. Pensoneau
Superintendent

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DIST. 3

ENVIROTECH INC.

93172-03
LF2 03/03
UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: BONDAD 34-10 No. 3X Sec. 36, T34N, R10W, NMPN
Source of Contamination: COMPRESSOR EARTHEN PITS
Generator: MOBIL OIL Prod. No: 93172-03 (4-25), 93172-04 (3-25)
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: MICHAEL K. LANE

Company: ENVIROTECH INC.

Signature: [Signature]

Date: 9/16/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒
 Verbal Approval Received: Yes ☒ No ☐ 08 AUG 93 AM 9 43

4. Generator
 Mobil Oil

2. Destination

ENVIROTECH SOIL REMEDIATION FACILITY, HILTOP, NM

5. Name of Originating Site

COLORADO 32-7

3. Address of Facility Operator

5796 US HWY 64-3014, FARMINGTON, NM

6. Name of Transporter

ENVIROTECH INC.

7. Location of Material (Street Address or ULSTR)

COLORADO 32-7 S9, T32N, R7W

8. State

COLORADO

9. Check 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM COMPRESSOR / SEPARATOR PIT AREA, MOBIL OIL COLORADO 32-7 LARASA COUNTY, CO.

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SEP - 8 1993

OIL CON. DIV.
DIST. 3

OIL CON. DIV.
DIST. 3

C-13
D-13

Estimated Volume 1 cy Known Volume (to be entered by the operator at the end of the haul): 210 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE VERI FARMINGTON TITLE Const Supt DATE 8-6-93

TYPE OR PRINT NAME VERI FARMINGTON TELEPHONE NO. 632-DB65

(This space for State Use)

APPROVED BY Denny G. Faint TITLE Geologist DATE 8/29/93

APPROVED BY Roger Anderson TITLE Env Bureau Ch DATE 9/7/93

CONDITIONS OF APPROVAL, IF ANY:

Note last page from BTJ

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 type="checkbox"/>	4. Generator Mobil Oil
2. Destination EQUIROTECH SOIL REMEDIATION FACILITY, HUNTER, NM	5. Name of Originating Site BONDAD 34-10
3. Address of Facility Operator 5916 US HWY 64-3014, FARMINGTON, NM 87401	6. Name of Transporter EQUIROTECH INC.
7. Location of Material (Street Address or ULSTR) BONDAD 34-10 525, T34N, R10W, N4PM	8. State COLORADO
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM COMPRESSOR / SEPARATOR PIT AREA, MOBIL OIL BONDAD, LA PLATA COUNTY, CO.

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OIL CON. DIV.
DIST. 3

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Paul Farnsworth TITLE Cont Supt DATE 8-6-93

TYPE OR PRINT NAME Paul Farnsworth TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Faint TITLE Geologist DATE 8/20/93

APPROVED BY Gene Bosch TITLE Geol DATE 8/23/93

CONDITIONS OF APPROVAL, IF ANY:

note last page from BIA
Need to go to Santa Fe - 8/24/93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

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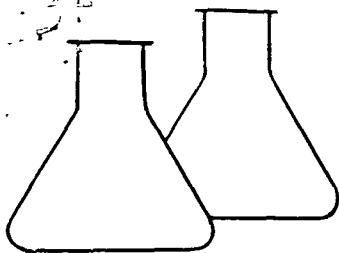
OIL CON. DIV.
DIST. 3CERTIFICATE OF WASTE STATUSNON-EXEMPT WASTE MATERIAL

Originating Location: MOBIL OIL, BENTON 34-10, LA RITA CO., CO.
Source: COMPRESSOR / SEPARATOR PIT AREA
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

I, the undersigned as the agent for the MOBIL ESP U.S., INC.
concur with the status of the waste from the subject site.

Name PETER W. RICHARDSON
Title/Agency ENVIRONMENTAL & REGULATORY
ENGINEERING ADVISOR
Address MOBIL OIL 12450 GREENSPRING
HOUSTON, TX 77060
Signature Peter W. Richardson
Date 8-10-93



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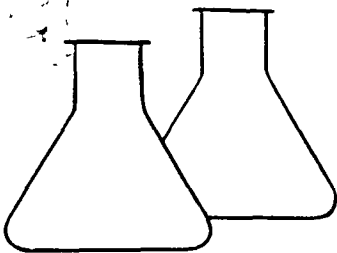
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-28-93
Laboratory Number:	5758	Date Sampled:	07-26-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	102 %
Bromofluorobenzene	100 %



ENV RO TECH LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Composite
Laboratory Number: 5758

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

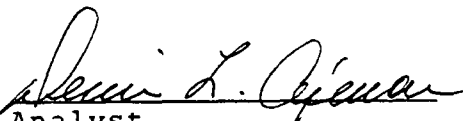
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

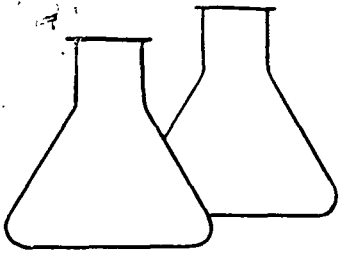
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Compressor Pit Closures, Bondad


Analyst


Review



ENVIROTECH LABS

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

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OIL CON. DIV. J
DIST. 3

EPA METHOD 8040 PHENOLS

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-30-93
Laboratory Number:	5758	Date Sampled:	07-26-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	0.024	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

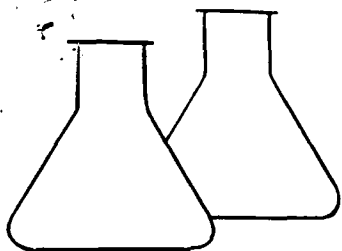
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Compressor Pit Closures, Bondad

Steven L. Gierman
Analyst

Mavis D. Young
Review



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OIL CON. DIV.
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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-30-93
Laboratory Number:	5758	Date Sampled:	07-26-93
Sample Matrix:	Soil	Date Received:	07-26-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	88 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

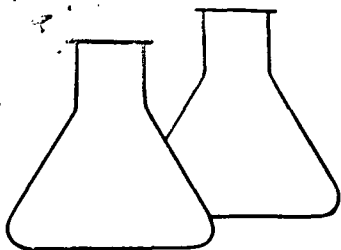
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Compressor Pit Closures, Bondad

Analyst

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EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	08-02-93
Laboratory Number:	5758	Date Sampled:	07-26-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-30-93
Condition:	Cool & Intact	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.020	0.001	5.000
BARIUM	0.3	0.1	100.0
CADMIUM	0.020	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	0.004	0.002	0.200
SELENIUM	0.045	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

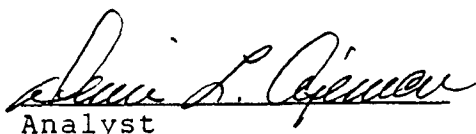
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

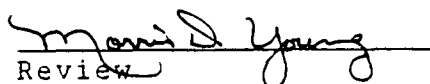
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

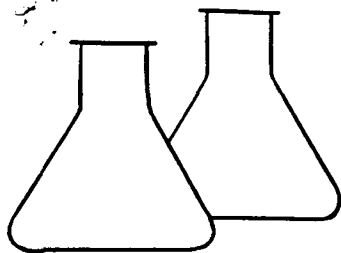
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Compressor Pit Closures, Bondad


Analyst


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RCRA CHARACTERISTICS

Client:	Mobil Oil	Project #:	93172
Sample ID:	Composite	Date Reported:	07-27-93
Lab ID#:	5758	Date Sampled:	07-26-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-27-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.14

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

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

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

Compressor Pit Closures, Bomdad

Car Chaharbay
Analyst

Marion D Young
Reviewed

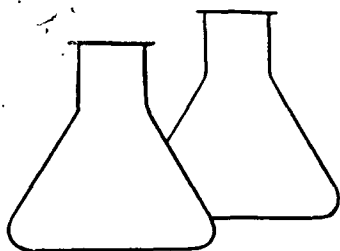
ENVIROTECH LABORATORIES

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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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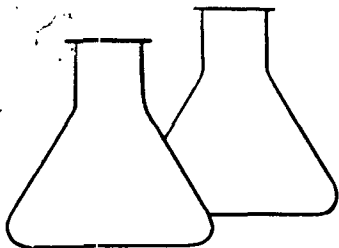
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-29-93
Laboratory Number:	0728tcv.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	89 %
Bromofluorobenzene	105 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0728tcv.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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


Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986


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

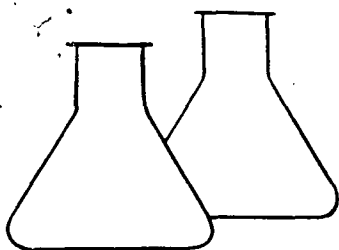
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0730tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	100 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

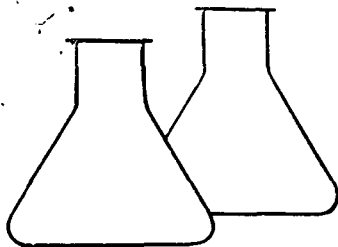
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Steven L. Gieser
Analyst

Marvin D. Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0728tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	104 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

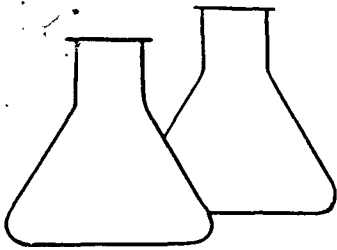
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Jensen
Analyst

Morris D. Young
Review



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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

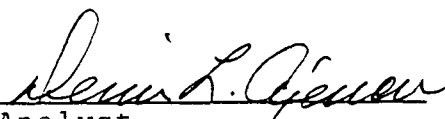
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986


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

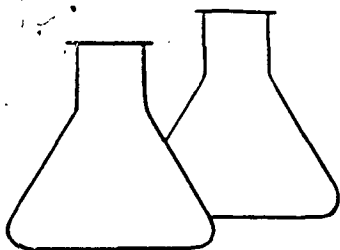
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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EPA METHODS 8010/8020

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

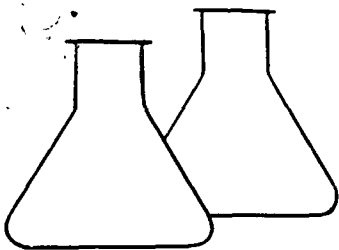
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-29-93
Laboratory Number:	0727TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	90 %
Bromofluorobenzene	94 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 0727TCV.MB

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

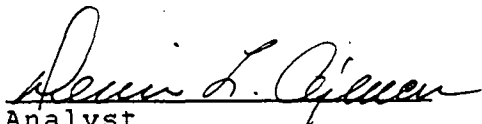
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

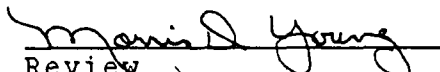
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

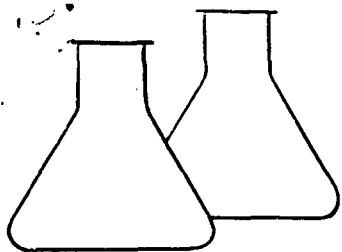
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	108 %
	2,4,6-tribromophenol	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

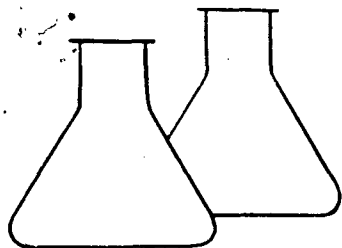
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Gowan
Analyst

Morris D. Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727BN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	87 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

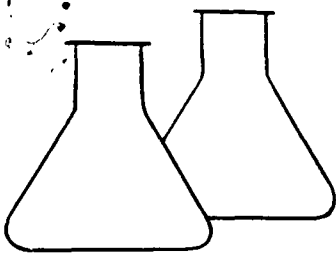
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction and 8090 Concentration Method Blank

Sharon R. Gibson
Analyst

Morris D. Young
Review



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EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-02-93
Laboratory Number:	07-27-MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

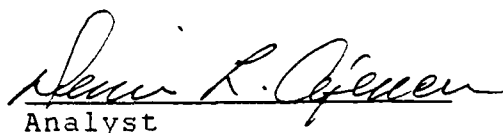
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

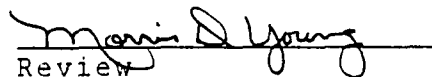
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

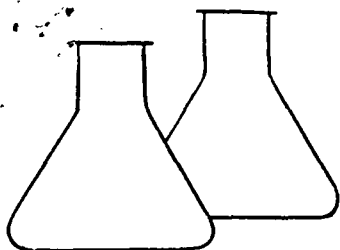
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank


Analyst


Review



ENV ROTECH LABS

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

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OR DIV. 1

** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	07-29-93
Laboratory Number:	5760-S-TCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-28-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	15.7	15.3	101	28-163
2-Butanone	ND	10.0	11.1	6.7	92	47-132
1,1-Dichloroethene	ND	10.0	10.9	6.4	95	43-143
Chloroform	ND	10.0	11.2	11.2	112	49-133
Carbon Tetrachloride	ND	10.0	8.7	5.0	87	43-143
Benzene	ND	10.0	10.8	5.1	105	39-150
1,2-Dichloroethane	ND	10.0	8.4	5.0	84	51-147
Trichloroethene	ND	10.0	10.4	5.0	104	35-146
Tetrachloroethene	5.7	10.0	17.6	5.2	112	26-162
Chlorobenzene	ND	10.0	11.0	5.0	110	38-150
1,4-Dichlorobenzene	ND	10.0	10.4	5.0	104	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

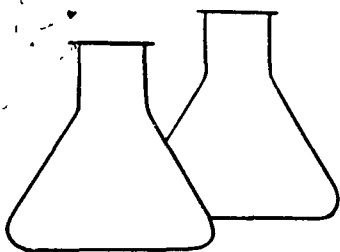
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Seneca L. Cisneros
Analyst

Manid Young
Review



ENV RO TECH LABS

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

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C. V. DIV. 1

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.108	105
BARIUM	10.0	3.8	13.9	101
CADMIUM	0.050	0.014	0.064	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.008	0.103	95
MERCURY	0.025	0.003	0.027	96
SELENIUM	0.100	ND	0.101	101
SILVER	1.00	0.01	1.01	100

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

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Shawn L. Gorman
Analyst

Mavis D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Mobil Oil 93172</i>			Project Location <i>Compressor Pit Closures</i>		ANALYSIS/PARAMETERS								
Sampler: (Signature) <i>[Signature]</i>			Chain of Custody Tape No.		No. of Containers <i>2</i>	<i>TOLP 4%</i>	<i>Pick & Hubs</i>						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>Composite</i>	<i>7/26/93</i>	<i>1330</i>	<i>5758</i>	<i>Soil</i>	<i>2</i>	<i>✓</i>							
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>7/27/93</i>	Time <i>7:30</i>	Received by: (Signature) <i>Kevin L. Cyman</i>			Date <i>7-27-93</i>	Time <i>7:30</i>				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								

ENVIROTECH INC.

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



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

AUG 19 1993

Mr. M.K. (Myke) Lane
Envirotech Inc.
5796 U.S. Highway 64 - 3014
Farmington, New Mexico 87401

Re: Soil Removal

Dear Mr. Lane:

This letter is written to verify that the soils being removed from the Mobil wells, as listed in your letter of August 12, 1993, are within the boundaries of the Southern Ute Indian Reservation. The following Mobil wells are located on Indian lands:

Colorado 32-7 #4
Colorado 32-7 #5
Bondad 34-10 #3X
Bondad 34-10 #4

It is our understanding that Envirotech is in the process of moving soils contaminated with non-hazardous hydrocarbon saturation to a site in New Mexico. This letter acknowledges this process and gives Envirotech permission to proceed with the removal as long as you are in compliance with all State and Federal laws.

If you should need further assistance, please contact Diana Olguin, Acting Realty Officer at (303) 563-4514.

Sincerely,

Ralph F. Pensoneau
Superintendent

RECEIVED
AUG 20 1993
OIL CON. DIV.
DIST. 3

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: COLORADO 32-7 #4, SEC. 4, T32N, R7W, NMAP

Source of Contamination: COMPRESSOR / SEPARATOR EARTHEN PIT

Generator: MOBIL OIL Prod. No: 93172-02

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico

Landfarm #1 _____ Landfarm #2 _____

X
C3/D3

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: MICHAEL K. LANE

Company: ENVIROTECH INC.

Signature: Michael K. Lane

Date: SEP. 17, 1993

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 8-2-93</i>	4. Generator <i>Meridian Oil Inc</i>	
2. Destination <i>Envirotech Inc Landfarm #2</i>	5. Name of Originating Site <i>Val Verde Plant</i>	
3. Address of Facility Operator <i>PO Box 4289</i>	6. Name of Transporter <i>Garcia Sanitation</i>	
7. Location of Material (Street Address or ULSTR) <i>Valverde Plant Bloomfield, NM</i>	8. State <i>NM</i>	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Activated carbon Filter media

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AUG 7 1993
OIL CON. DIV
DIST. 3
A-22

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Don Farnsworth* TITLE *Const Supt* DATE *8-12-93*

TYPE OR PRINT NAME *Don Farnsworth* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny Z. Fount* TITLE *Geologist* DATE *8/20/93*

APPROVED BY *Ernie Bruch* TITLE *Coord* DATE *8/23/93*

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Oil
Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant.
2. Volume: 3.0 Remainder to follow in box
~~6.12~~ Cubic Yards _____ Barrels _____ Gallons _____
3. Description of Waste: Activated Carbon Filter
media.
4. Method of Waste Generation: DEA Filtering Process at
the Val Verde Plant.
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

C. H. Borch
(signature)

Date 8/10/93

MOI
On Site
Representative

Transportation Company: Garcia Sanitation

Date(s) Transported: 8-12-93

MOI Representative on Site

Bert Lauffer
(signature)

Date 8-12-93

Envirotech
Complete and
Return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: 8/12/93

Total Volume Received: 3 yds

Waste Location: Cell/Grid No. land farm #2 A 22

Received By: Jeremy McDaniel

(signature)

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AUG 17 1993
CON. DIV.
DIST. 3

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

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AUG 17 1993

CERTIFICATE OF WASTE TRANSPORT

DIL CON. DIV.
DIST. 3

Originating Location: Val Verde Plant
Source of Contamination: Activated Carbon filter media
Generator: DEA Filtering Process at the Val Verde Plant
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Steve Fitzpatrick
Company: Garcia's

Signature: Steve Fitzpatrick

Date:

93101

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 F 8-11-93</i>	4. Generator <i>Mobil Production</i>	
2. Destination <i>Envirotech Inc Landfarm II</i>	5. Name of Originating Site <i>CINDY 5-25</i>	
3. Address of Facility Operator <i>P.O. Box 185 BLOOMFIELD, NM 87413</i>	6. Name of Transporter <i>SUNCO</i>	
7. Location of Material (Street Address or ULSTR) <i>Sec 9 T24 N R5W</i>	8. State <i>NM</i>	
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Disposal Well Tank bottoms

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 AUG 7 1993
 OIL CON. DIV.
 DIST. 3

C-13

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Forsworth* TITLE *Gen Supt* DATE *8-10-93*TYPE OR PRINT NAME *Verl Forsworth* TELEPHONE NO *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Fout* TITLE *Geologist* DATE *8/20/93*APPROVED BY *Emile Bush* TITLE *Geol* DATE *8/27/93*

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

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OIL CON. DIV.
DIST. 3

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: LINDRITH B-25 SEC 9 T24 N R3W
Source: TASK BATTERY
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

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

Name Kelly McClellan
Mobil Producing
Title/Agency FOREMAN
Address Bloomfield, New Mexico
Signature Kelly McClellan
Date 8-16-93

93172-02

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator Mobil Oil	
2. Destination EQUIPTECH SOIL REMEDIATION FACILITY, HUNTER, NM	5. Name of Originating Site DEHY PIT COLORADO 32-7 #5	
3. Address of Facility Operator 596 US Hwy 64-3014, FARMINGTON, NM 87401	6. Name of Transporter EQUIPTECH INC.	
7. Location of Material (Street Address or ULSTR) COLORADO 32-7 #5 SEC 9, T32N, R7W, N4PM	8. State COLORADO	
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM
DEHYDRATOR PIT AREA, MOBIL OIL WELL / WILLIAMS FIELD SERVICE
SALES LINE, LA PUEA COUNTY, CO

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AUG 17 1993
OIL CON. DIV.
DIST. 3

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): 194 ^{Landfarm #2} <sub>C-13
D-13</sub> _{cy}

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Vern Farnsworth TITLE Const Supt DATE 8-12-93

TYPE OR PRINT NAME Vern Farnsworth TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 8/20/93

APPROVED BY Eric Busch TITLE Geol DATE 8/23/93

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

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DIST. 3

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: MOBIL OIL, COLORADO 32-7 #5, LA PUEBLO, CO
Source: SEPARATOR / DEHYDRATOR PIT
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

I, the undersigned as the agent for the MOBIL E&P U.S. INC.
concur with the status of the waste from the subject site.

Name PETER W. RICHARDSON
Title/Agency ENVIRONMENTAL + REGULATORY
ENGINEERING ADVISOR
Address MOBIL OIL 12450 GREENS POINT
HOUSTON TEXAS 77060
Signature Peter W. Richardson
Date 8-10-93

RECEIVED AUG 19 1993



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

AUG 19 1993

Mr. M.K. (Myke) Lane
Envirotech Inc.
5796 U.S. Highway 64 - 3014
Farmington, New Mexico 87401

Re: Soil Removal

Dear Mr. Lane:

This letter is written to verify that the soils being removed from the Mobil wells, as listed in your letter of August 12, 1993, are within the boundaries of the Southern Ute Indian Reservation. The following Mobil wells are located on Indian lands:

Colorado 32-7 #4
Colorado 32-7 #5
Bondad 34-10 #3X
Bondad 34-10 #4

It is our understanding that Envirotech is in the process of moving soils contaminated with non-hazardous hydrocarbon saturation to a site in New Mexico. This letter acknowledges this process and gives Envirotech permission to proceed with the removal as long as you are in compliance with all State and Federal laws.

If you should need further assistance, please contact Diana Olguin, Acting Realty Officer at (303) 563-4514.

Sincerely,

Ralph R. Pensoneau
Superintendent

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AUG 20 1993

OIL CON. DIV.
DIST. 3

ENV RO ECI NC.

LF - 93/23

93172-01

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: COLORADO 32-7 #5, SEC. 9, T32N, R7W, NMPM

Source of Contamination: COMPRESSOR / SEPARATOR & DEHY PITS

Generator: MOBIL OIL Prod. No: 93172-01

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 _____

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: MICHAEL K. LANE

Company: ENVIROTECH INC.

Signature: [Signature]

Date: SEPT. 20, 1993

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	OIL CONSERVATION DIVISION RECEIVED AUG 11 1993 AM 9 13	
2. Destination Envirolock Landfills #2	4. Generator El Paso Nat Gas Co	5. Name of Originating Site Lindrieth Plant
3. Address of Facility Operator Box 4990 Farmington, NM	6. Name of Transporter El Paso	8. State NM
7. Location of Material (Street Address or ULSTR) Lindrieth Plant		

9. Check 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

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OIL CON. DIV.
DIST. 3

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Non-exempt - Soils generated from compressor engine oil spills
+

Exempt - Soils generated from overflow of an UST
RECEIVED
AUG 10 1993
OIL CON. DIV.
DIST. 3 J-5

Estimated Volume 300-400 cy Known Volume (to be entered by the operator at the end of the haul): 113 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Verl Farnsworth TITLE Cons Supt DATE 8-9-93

TYPE OR PRINT NAME VERL FARNSWORTH TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Zent TITLE Geologist DATE 08/10/93

APPROVED BY Kathy M. Brown TITLE Geologist DATE 8/13/93

CONDITIONS OF APPROVAL, IF ANY: Approved but materials mixed together so needed retest.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>El Paso Nat Gas Co</i>	
2. Destination <i>Envirotech Landfills #2</i>	5. Name of Originating Site <i>Lindrieth Plant</i>	
3. Address of Facility Operator <i>Box 4990 Farmington, NM</i>	6. Name of Transporter	
7. Location of Material (Street Address or ULSTR) <i>Lindrieth Plant</i>	8. State <i>NM</i>	
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

non exempt - Soils generated from compressor engine oil spills
&

exempt - Soils generated from overflow of an UST

RECEIVED
 AUG 10 1993
 OIL CON. DIV.
 DIST. 3

Estimated Volume *300-400* cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Farnsworth* TITLE *Cons Supt* DATE *8-9-93*

TYPE OR PRINT NAME *VERL FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Farnsworth* TITLE *Geologist* DATE *08/10/93*

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: *Roser 8/10/93*

August 5, 1993

Mr. Morris Young
Envirotech
5796 U.S. Highway 64-3014
Farmington, N.M. 87401

Subject : Oil Contaminated Soil at El Paso Natural Gas Company's Lindrith Plant

Dear Mr. Young,

El Paso Natural Gas Company (EPNG) stored approximately 300 to 400 cubic yards of oil contaminated soil at Lindrith Plant. There are two separate soil piles stored at the plant site. One soil pile is associated with cleanup of the plant area due to small compressor engine oil spills during maintenance activities. The second soil pile is associated with an overflow of an underground storage tank (UST).

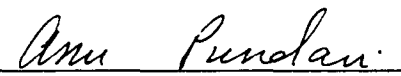
The UST contains the water fraction from an aboveground scrubber liquids storage tank and liquids from the compressor basement. The scrubber liquids are "exempt" waste whereas the liquids from the basement drains are considered "nonexempt" since small amounts of engine oil may leak into the basement.

A TCLP metals, BETX by EPA Method 8020, and Ignitability test was run on both soil piles. A copy of the results is under Tab 1.

EPNG requests permission to dispose oil contaminated soil at Envirotech. Two Certification of Waste Status Forms are under Tab 2.

Please give us approval for disposal of the oil contaminated soil as soon as possible.

If you have any questions, please call me at 599-2176.


Anu Pundari
Sr. Compliance Engineer

cc: Mr. Denny Foust(NMOCD)
Mr. David Hall(EPNG)

CERTIFICATION OF WASTE STATUS

Originating Location: El Paso Natural Gas Company's Lindrith Plant
Soil Pile #1

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM
EPNG Designated Area within Envirotech's Facility

"As a condition of acceptance for disposal, I hereby certify that this waste is a mixture of "exempt" waste as defined by EPA's July 1988 Regulatory Determination and "non-exempt" waste. The soil mixture of "exempt" and "nonexempt" waste has been tested and does not meet the criteria of a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, and the soil has not been added or mixed with any other waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature : Anu Pundari

Name, Date: Anu Pundari ; 8/5/93

Company: El Paso Natural Gas

Address: P.O. Box 4990 ; Fmn, NM 87499

Originating Location: El Paso Natural Gas Company's Lindrith Plant
Soil Pile #2

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM
EPNG Designated Area within Envirotech's Facility

"As a condition of acceptance for disposal, I hereby certify that this waste is " nonexempt" waste as defined by EPA's July 1988 Regulatory Determination. The soil has been tested and does not meet the criteria of a " hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, and the soil has not been added or mixed with any other waste in such a manner so as to make the resultant mixture a " hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature : Anu Pundari

Name, Date: Anu Pundari ; 8/5/93

Company: El Paso Natural Gas

Address: P.O. Box 4990 ; Fmn 87499



Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 307322

July 28, 1993

El Paso Natural Gas Co.
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: LINDRITH POND / *soil Piles*
Attention: John Lambdin

On 07/09/93, Analytical Technologies, Inc. received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Due to matrix interferences, EPA Method 8080 analyses of samples N30770 and N30771 were performed at a dilution. The reporting limits have been raised accordingly.

EPA Method 8020 analyses were performed by ATI, Albuquerque.

All other analyses were performed by ATI, Phoenix.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski
Project Manager

Gregory R. Jordan
Laboratory Manager

GJ:td

Enclosure



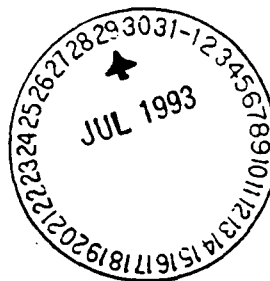
CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND

DATE RECEIVED: 07/09/93

REPORT DATE : 07/28/93

ATI I.D.: 307322

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
02	N30771 - Soil	NON-AQ	07/08/93
03	N30772 - Soil	NON-AQ	07/08/93



-----TOTALS-----

MATRIX	# SAMPLES
NON-AQ	3

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

ATI I.D. : 307322

CLIENT : EL PASO NATURAL GAS CO.

DATE RECEIVED : 07/09/93

PROJECT # : (NONE)

PROJECT NAME : LINDRITH POND / *Soil files*

REPORT DATE : 07/28/93

PARAMETER	UNITS	01	02	03
IGNITABILITY (ATI P10.618)		NEG	NEG	NEG



Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME : LINDRITH POND / Soil files

ATI I.D. : 307322

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
IGNITABILITY		30732201	NEG	NEG	NA	NA	NA	NA

Accepted
JZ
7/29/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



Analytical Technologies, Inc.

METALS RESULTS

ATI I.D. : 307322

CLIENT : EL PASO NATURAL GAS CO.

DATE RECEIVED : 07/09/93

PROJECT # : (NONE)

PROJECT NAME : LINDRITH POND / Soil Piles

REPORT DATE : 07/28/93

PARAMETER	UNITS	01	02	03
SILVER (TCLP 1311/6010)	MG/L	<0.010	<0.010	<0.010
ARSENIC (TCLP 1311/6010)	MG/L	<0.1	<0.1	<0.1
BARIUM (TCLP 1311/6010)	MG/L	1.85	0.938	0.970
CADMIUM (TCLP 1311/6010)	MG/L	<0.005	0.007	0.006
CHROMIUM (TCLP 1311/6010)	MG/L	<0.010	<0.010	<0.010
MERCURY (TCLP 1311/7470)	MG/L	<0.0002	<0.0002	<0.0002
LEAD (TCLP 1311/6010)	MG/L	<0.10	<0.10	<0.10
SELENIUM (TCLP 1311/6010)	MG/L	<0.1	<0.1	<0.1



Analytical Technologies, Inc.

METALS - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME : LINDRITH POND / Soil Gases

ATI I.D. : 307322

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
SILVER (IN TCLP)	MG/L	30732203	<0.010	<0.010	NA	0.967	1.00	97
ARSENIC (IN TCLP)	MG/L	30732203	<0.1	<0.1	NA	1.1	1.0	110
BARIUM (IN TCLP)	MG/L	30732203	0.970	0.944	3	1.95	1.00	98
CADMIUM (IN TCLP)	MG/L	30732203	0.006	0.007	15	0.976	1.00	97
CHROMIUM (IN TCLP)	MG/L	30732203	<0.010	<0.010	NA	0.953	1.00	95
MERCURY (IN TCLP)	MG/L	30732203	<0.0002	<0.0002	NA	0.0050	0.0050	100
LEAD (IN TCLP)	MG/L	30732203	<0.10	<0.10	NA	0.97	1.00	97
SELENIUM (IN TCLP)	MG/L	30732203	<0.1	<0.1	NA	1.1	1.0	110

Acceptable
S
7/29/23

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 307322
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND (Soil Filter)

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	N30770	NON-AQ	07/06/93	07/12/93	07/12/93	1
02	N30771	NON-AQ	07/08/93	07/12/93	07/12/93	1
03	N30772	NON-AQ	07/08/93	07/12/93	07/12/93	1

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	<0.025	<0.025	<0.025
TOLUENE	MG/KG	<0.025	<0.025	<0.025
ETHYLBENZENE	MG/KG	<0.025	<0.025	<0.025
TOTAL XYLENES	MG/KG	<0.025	<0.025	<0.025
BROMOFLUOROBENZENE (%)		73	85	82



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST : BTEX (EPA 8020)
BLANK I.D. : 071293
CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND / Soil Piles

ATI I.D. : 307322
DATE EXTRACTED : 07/12/93
DATE ANALYZED : 07/12/93
DILUTION FACTOR: 1

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025
BROMOFLUOROBENZENE (%)		91

Acceptable.
S
7/27/93



Analytical Technologies, Inc.

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : BTEX (EPA 8020)
MSMSD # : 30732201
CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND / Soil / Piles

ATI I.D. : 307322
DATE EXTRACTED: 07/12/93
DATE ANALYZED : 07/12/93
SAMPLE MATRIX : NON-AQ
REF. I.D. : 30732201
UNITS : MG/KG

PARAMETERS	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.025	1.0	0.88	88	0.85	85	3
TOLUENE	<0.025	1.0	0.97	97	0.93	93	4
ETHYL BENZENE	<0.025	1.0	1.0	100	0.95	95	5
TOTAL XYLENES	<0.025	3.0	2.9	97	2.7	90	7

Acceptable
J
7/29/93

ENVIROTECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORTOriginating Location: Lindrieth PlantSource of Contamination: oil ANTI FreezeGenerator: EPNG - Co

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

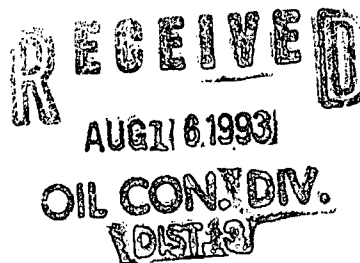
Name: Richard R ChavezCompany: EL PASO NAT GAS CO
Farmington NMSignature: Richard R ChavezDate: 10-6-93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Wash Bay Solids Halliburton Services</i>	
2. Destination <i>Envirotech Inc Land Farm #2</i>	5. Name of Originating Site <i>Farmington Yard E Main</i>	
3. Address of Facility Operator <i>4109 E Main</i>	6. Name of Transporter <i>Envirotech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>4109 E Main</i>	8. State <i>N Mex</i>	
9. Check One		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Solids generated from Wash Bay operations
at Farmington Yard, 4109 E. Main*



OIL CONSERVATION DIVISION
RECEIVED
AUG 16 1993

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Farnsworth* TITLE *Asst Supt* DATE *8-3-93*

TYPE OR PRINT NAME *Verl Farnsworth* TELEPHONE NO. *632-2615*

(This space for State Use)

APPROVED BY *Denny D. Fount* TITLE *Geologist* DATE *8/6/93*

APPROVED BY *Kathy M. Brown* TITLE *Geologist* DATE *8/11/93*

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Wash Bay Solids Halliburton Services</i>	
2. Destination <i>Envirotech Inc Land Farm #2</i>	5. Name of Originating Site <i>Farmington Yard E Main</i>	
3. Address of Facility Operator <i>4109 E Main</i>	6. Name of Transporter <i>Envirotech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>4109 E Main</i>	8. State <i>N Mex</i>	
9. <u>Check One</u>		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Solids generated from Wash Bay operations
at Farmington Yard, 4109 E. Main*

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Paul Farnsworth* TITLE *Const Supt* DATE *8-3-93*

TYPE OR PRINT NAME *Paul Farnsworth* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Faint* TITLE *Geologist* DATE *8/6/93*

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Roger 8/6/93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS

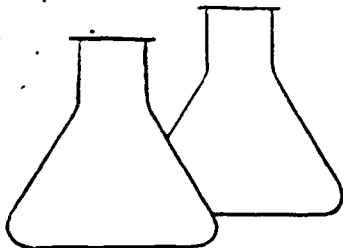
NON-EXEMPT WASTE MATERIAL

Originating Location: 4109 E Main - Halliburton Services
Source: Wash Bay Solids
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

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

Name Gary L. Morris
Title/Agency H.R. / H.S.E.
Address 4109 E Main
Farmington, NM 87401
Signature Gary L. Morris
Date 8-4-93



ENVIRO TECH LABS

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

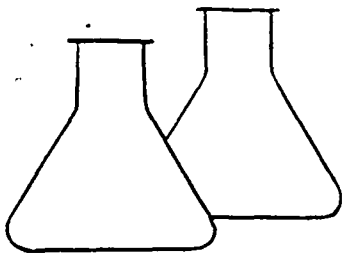
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-28-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	0.006	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	97 %
Bromofluorobenzene	95 %



ENVIRONMENTAL LABS

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

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Wash Bay
Laboratory Number: 5760

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

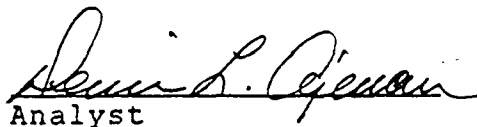
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

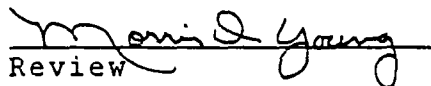
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

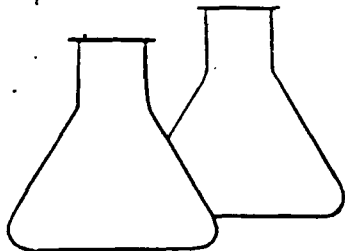
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard


Analyst


Review



ENVIRONMENTAL ROBOTICS LABS

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

EPA METHOD 8040 PHENOLS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-30-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	93 %
	2,4,6-tribromophenol	92 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

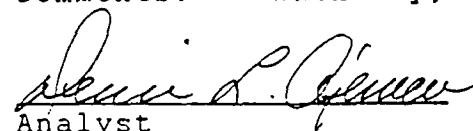
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

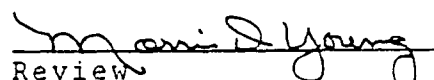
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

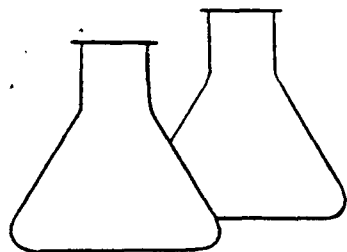
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard


Analyst


Review



ENVIRONMENTAL LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-30-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

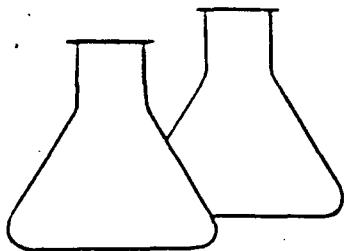
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst

Review



ENVIROTECH LABS

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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	08-02-93
Laboratory Number:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-30-93
Condition:	Cool & Intact	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.016	0.001	5.000
BARIUM	4.2	0.1	100.0
CADMIUM	0.097	0.001	1.000
CHROMIUM	0.012	0.001	5.000
LEAD	0.025	0.001	5.000
MERCURY	0.006	0.002	0.200
SELENIUM	0.012	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

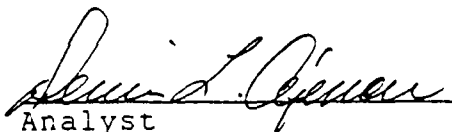
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

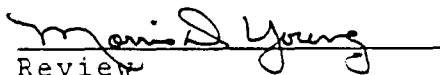
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

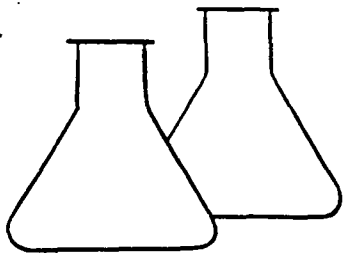
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard


Analyst


Reviewer



ENVIROTECH LABS

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

RCRA CHARACTERISTICS

Client:	Halliburton Wash Bay	Project #:	92132
Sample ID:	Wash Bay	Date Reported:	07-27-93
Lab ID#:	5760	Date Sampled:	07-27-93
Sample Matrix:	Soil	Date Received:	07-27-93
Preservative:	Cool	Date Analyzed:	07-27-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 7.20

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

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

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

A. Chahar
Analyst

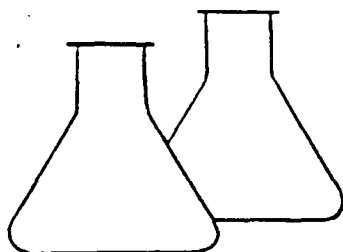
Marion D. Young
Reviewed

ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

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EPA METHODS 8010/8020

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS

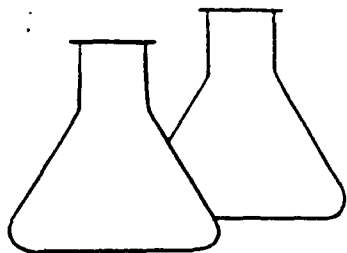
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-29-93
Laboratory Number:	0728tcv.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	89 %
Bromofluorobenzene	105 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0728tcv.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

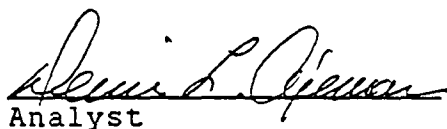
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

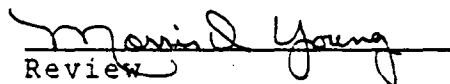
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

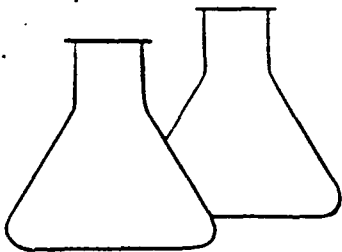
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0730tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	100 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

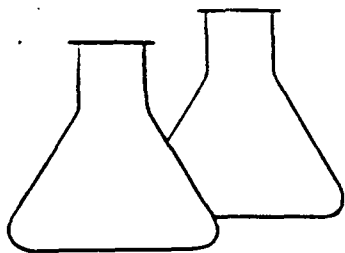
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Devin L. Cleaver
Analyst

Mariad Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-30-93
Laboratory Number:	0728tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	104 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

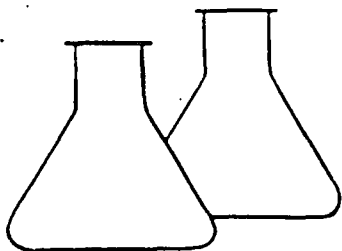
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Gienar
Analyst

Marion D. Young
Review



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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

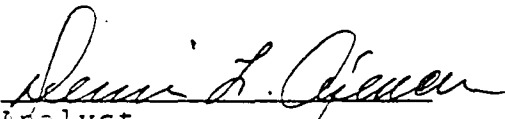
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986


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

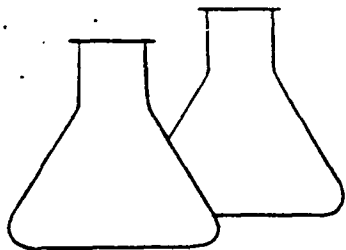
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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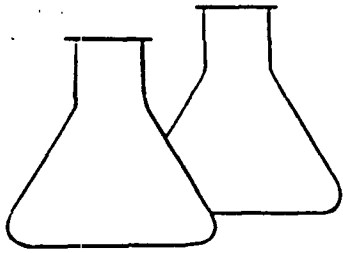
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-29-93
Laboratory Number:	0727TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-28-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.015	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.011	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	90 %
Bromofluorobenzene	94 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 0727TCV.MB

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

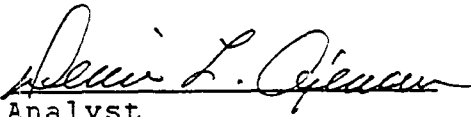
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

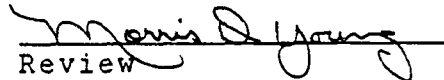
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

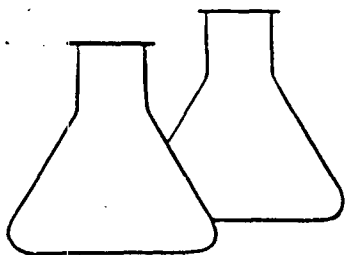
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool & Intact	Date Analyzed:	07-30-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	108 %
	2,4,6-tribromophenol	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

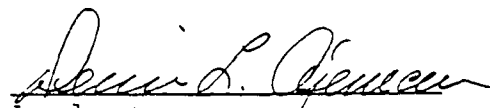
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.


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

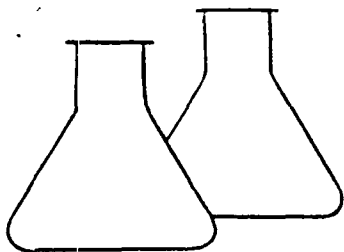
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-30-93
Laboratory Number:	0727BN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-27-93
Condition:	Cool and Intact	Date Analyzed:	07-29-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	87 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

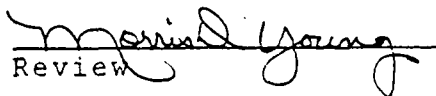
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986

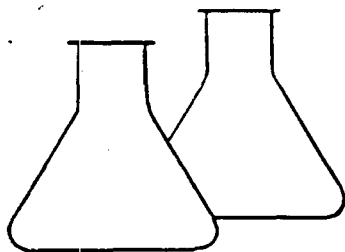
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction and 8090 Concentration Method Blank


Analyst


Review



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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	08-02-93
Laboratory Number:	07-27-MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	07-27-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

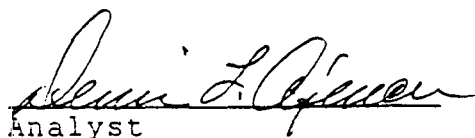
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

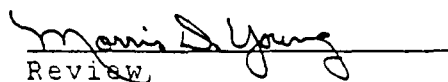
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

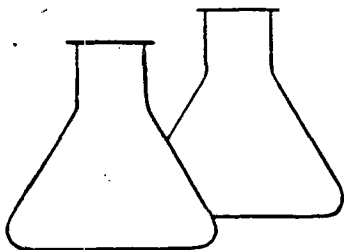
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank


Analyst


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

** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	07-29-93
Laboratory Number:	5760-S-TCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-28-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	15.7	15.3	101	28-163
2-Butanone	ND	10.0	11.1	6.7	92	47-132
1,1-Dichloroethene	ND	10.0	10.9	6.4	95	43-143
Chloroform	ND	10.0	11.2	11.2	112	49-133
Carbon Tetrachloride	ND	10.0	8.7	5.0	87	43-143
Benzene	ND	10.0	10.8	5.1	105	39-150
1,2-Dichloroethane	ND	10.0	8.4	5.0	84	51-147
Trichloroethene	ND	10.0	10.4	5.0	104	35-146
Tetrachloroethene	5.7	10.0	17.6	5.2	112	26-162
Chlorobenzene	ND	10.0	11.0	5.0	110	38-150
1,4-Dichlorobenzene	ND	10.0	10.4	5.0	104	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

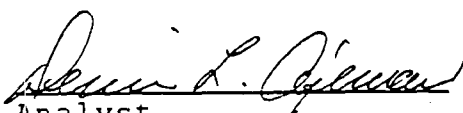
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, Sept. 1986

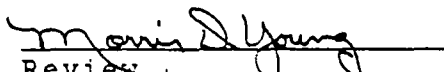
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

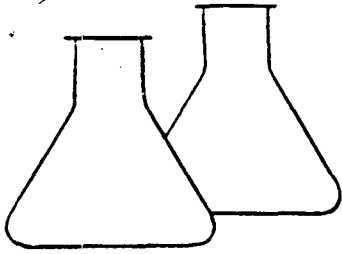
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-02-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-30-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.003	0.108	105
BARIUM	10.0	3.8	13.9	101
CADMIUM	0.050	0.014	0.064	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.008	0.103	95
MERCURY	0.025	0.003	0.027	96
SELENIUM	0.100	ND	0.101	101
SILVER	1.00	0.01	1.01	100

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

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Shirley A. Givens
Analyst

Morris D. Young
Review

2860

CHAIN OF CUSTODY RECORD

[illegible]

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Marion D. Young</i>	7/27/93	13:28	<i>Tony Tristano</i>	7/27/93	1330 1300
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

92117

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

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>Wenny F 8693</i>	4. Generator <i>El Paso Natural Gas</i>
2. Destination <i>Land farm #2 Enormo Tech Inc</i>	5. Name of Originating Site <i>Caloral SC Lake Drigg Pit</i>
3. Address of Facility Operator <i>Box 4990 Farmington, NM.</i>	6. Name of Transporter <i>Pucca Welding & Etc</i>
7. Location of Material (Street Address or ULSTR) <i>D-31-29th 12w</i>	8. State <i>NM</i>
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Line leak and dip pit clean-up

RECEIVED
AUG - 8 1993
OIL CON. DIV
DIST. 2 K-1

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): *60* cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Val Farnsworth* TITLE *Asst. Sup* DATE *8/6/93*TYPE OR PRINT NAME *Val Farnsworth* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Fount* TITLE *Geologist* DATE *8/6/93*APPROVED BY *Emil Bunch* TITLE *Geologist* DATE *8/9/93*

CONDITIONS OF APPROVAL, IF ANY:

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

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: LATERAL 3C Leak + Deep Pit Location
Source: Live Leak
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

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

Name SANDRA D. MILLER
Title/Agency EPNG - Environmental Coordinator
Address Box 4990
Farmington, NM.
Signature Sandra D. Miller
Date 8/6/93

CERTIFICATE OF WASTE TRANSPORT

Originating Location: EPNG Lateral 3-C
Source of Contamination: Line leak & Drip pit cleanup
Generator: El Paso Nat Gas Co.
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Richard Wilson

Company: _____

Yucca

Signature: Richard L Wilson

Date: 8/27/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 8-9-93 8AM</i>	4. Generator <i>ET Pps Nat Cons</i>	
2. Destination <i>Envirotech landfarm #2</i>	5. Name of Originating Site <i>Jaquez Can C#1 E#1</i>	
3. Address of Facility Operator <i>Box 4990 Farmington NM</i>	6. Name of Transporter <i>Doug Foutz Const</i>	
7. Location of Material (Street Address or ULSTR) <i>Blanco, NM</i>	8. State <i>N. Mex</i>	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Jaquez property - remedial drip pit closure,
drip pit leak*

RECEIVED
AUG 11 1993
OIL CON. DIV.
DIST. 2

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): 4460 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Vern Farnsworth* TITLE *Const Supt* DATE *8-9-93*

TYPE OR PRINT NAME *Vern Farnsworth* TELEPHONE NO. *632 0615*

(This space for State Use)

APPROVED BY *Denny G. Foutz* TITLE *Geologist* DATE *8/12/93*

APPROVED BY *Frank Bush* TITLE *Geologist* DATE *8/12/93*

CONDITIONS OF APPROVAL, IF ANY:

ENV RO' ECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

Certification of Waste Status

Originating location JACQUEZ Com C #1 + JACQUEZ Com E #1

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature

Sanira D. Miller

Name, Date

SANIRA D. MILLER 8/10/93

Company

EL PASO NATURAL GAS Co.

Address

PO Box 4990 FARMINGTON, NM 87499

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Jaquez Comm C #1
Source of Contamination: Jaquez Comm E #1
Generator: El Paso Natural Gas Co
Disposal Location: Envirotech, Inc. Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Doug Foltz ~~is~~ Construction
Sub contracted to Burlington as
Environmental Consultants

Name: Thomas Montoya
Company: Burlington Environmental

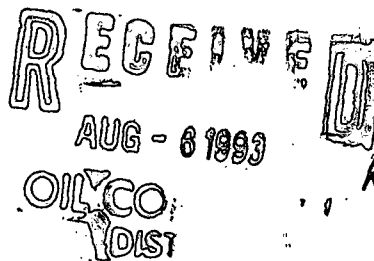
Signature: Thomas Montoya
Date: 1 Sept 93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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>Henry F 8-6-93</i>	4. Generator <i>El Paso Natural Gas</i>	
2. Destination <i>Envirotech Landfarm #2</i>	5. Name of Originating Site <i>Chacon Licovilla Apache I# 109</i>	
3. Address of Facility Operator <i>PO Box 4990 Farmington, NM</i>	6. Name of Transporter <i>El Paso Nat Gas</i>	
7. Location of Material (Street Address or ULSTR) <i>Rio Arriba County Gibo Field</i>	8. State <i>NM.</i>	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Well fire in line leak



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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verel Farnsworth* TITLE *Const Supt* DATE *8-6-93*

TYPE OR PRINT NAME *Verel Farnsworth* TELEPHONE NO. _____

(This space for State Use)

APPROVED BY *Denny G. Fent* TITLE *Geologist* DATE *8/6/93*

APPROVED BY *James Burch* TITLE *Geologist* DATE *8/9/93*

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

Certification of Waste Status

Originating location Ojito Field - SE/4 - 26-23-3
Rio Arriba County
Wellite Line - Chacon Jicarilla Apache D #109
Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature Ann Pundari
Name, Date Ann Pundari 8/5/93
Company El Paso Natural Gas
Address P.O. Box 4990; Farmington NM
87499

93156

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE DIVISION

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> RECEIVED Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> 93 JUL 21 AM 8 30	4. Generator FUECO RESOURCE DEVELOP. CO.
2. Destination ENVIROTECH SOIL REMEDIATION FACILITY HILLTOP, N.M.	5. Name of Originating Site STATE 36-2
3. Address of Facility Operator 5796 U.S. HWY 64-3014, FARMINGTON, NM 87401	6. Name of Transporter ENVIROTECH, INC.
7. Location of Material (Street Address or ULSTR) STATE 36-2 SWSE, SEC. 36, T35N, R9W	8. State COLORADO
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

SOIL ADJACENT TO PUMP JACK HAS BEEN EXCAVATED AND BACKFILLED WITH CLEAN SAND AND/OR SAND GRAVEL MATERIAL.

RECEIVED
JUL 19 1993OIL CON. DIV.
DIST. 3C-11
D-11
E-11RECEIVED
JUL 22 1993OIL CON. DIV.
DIST. 3

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): 553 DIST. 3 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Verl Farnsworth TITLE CONSTRUCTION SUPERVISOR DATE 7/19/93TYPE OR PRINT NAME VERL FARNSWORTH TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY Denny G. Zant TITLE Geologist DATE 7/19/93APPROVED BY Roger Chubb TITLE Branch Chief DATE 7/21/93

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: ☐ Non-Exempt: ☒
Verbal Approval Received: Yes ☐ No ☐

4. Generator
FUELED RESOURCE DEVELOP. CO.

2. Destination
ENVIROTECH SOIL REMEDIATION FACILITY HILTOP, N.M.

5. Name of Originating Site
STATE 36-2

3. Address of Facility Operator
5796 U.S. HWY 64-3014, FARMINGTON, NM 87401

6. Name of Transporter
ENVIROTECH, INC.

7. Location of Material (Street Address or ULSTR)
STATE 36-2 SWSE, SEC. 36, T35N, R9W

8. State
COLORADO

9. Check 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

SOIL ADJACENT TO PUMP JACK HAS BEEN EXCAVATED
AND BACKFILLED WITH CLEAN SAND AND/OR SAND GRAVEL MATERIAL.

RECEIVED

JUL 19 1993

OIL CON. DIV.
DIST. 8

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Verl Farnsworth TITLE CONSTRUCTION SUPERVISOR DATE 7/19/93

TYPE OR PRINT NAME VERL FARNSWORTH TELEPHONE NO. (505) 632-0615

(This space for State Use)

APPROVED BY Denny G. Feist TITLE Geologist DATE 7/19/93

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH[®] NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

July 16, 1993

Mr. Denny Foust
State of New Mexico Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, New Mexico 87410

**Re: Fuelco Res. Development Co.
Contaminated Soil - TCLP Analysis**

Project No. 93156

Dear Mr. Foust,

Envirotech Inc. requests authorization to receive soil from the excavation adjacent to pump jacks on numerous Fuelco Corporation well locations within La Plata, County, Colorado.

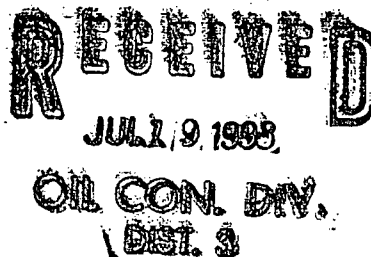
The spills reportedly consisted of used motor oil. Therefore, we have had a composite TCLP analysis completed, without the pesticides and herbicides, on the contaminated soil removed from the spill sites.

The attached laboratory analysis show that the concentration of the TCLP target constituents are all below the RCRA regulatory levels for hazardous waste. Therefore, the contaminated soils are classified as non-hazardous per RCRA (40CFR 261).

Respectfully submitted,
Envirotech, Inc.

Nelson Velez
Nelson Velez
Staff Geologist

Attachments: Laboratory Analysis
Chain-of-Custody



NV/nv

FUEL-OCD.LTR

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: State 36-2 SWSE, Sec. 36, T 35 N, R 9 W

Source: Soils adjacent to pump jacks on numerous gas well sites

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

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

I, the undersigned as the agent for the FARMINGTON RES. & DEVELOP. CO.
concur with the status of the waste from the subject site.

Name Russell Knight
Title/Agency Working Supervisor
Address 679 Turner Drive
Albany, GA 31707
Signature Russell Knight
Date 7-19-83

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: State 36-2 SWSE, Sec. 36, T 35 N, R 9 W

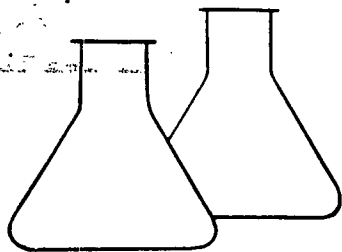
Source: Soils adjacent to pump jacks on numerous gas well sites

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

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

I, the undersigned as the agent for the OIL & GAS CONSERVATION COMMISSION concur with the status of the waste from the subject site.

Name MARK WEEMS
Title/Agency AREA ENGR. - SW CO
OIL & GAS CONSERVATION COMMISSION
Address 635 E. 2ND AVE SUITE 245
DURANGO, CO 81301
Signature [Signature]
Date 7-19-93



ENVIROTECH LABS

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

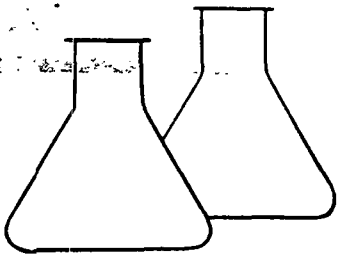
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Fuelco	Project #:	93156
Sample ID:	Stockpile	Date Reported:	07-09-93
Laboratory Number:	5571	Date Sampled:	07-02-93
Sample Matrix:	Soil	Date Received:	07-02-93
Preservative:	Cool	Date Extracted:	07-06-93
Condition:	Cool & Intact	Date Analyzed:	07-07-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.012	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.009	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	107 %
Bromofluorobenzene	86 %



ENVIROTECH LABS

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

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Stockpile
Laboratory Number: 5571

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

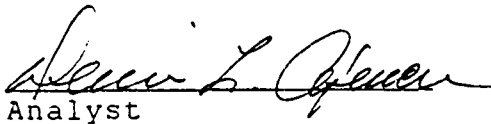
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

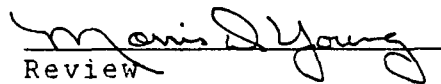
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

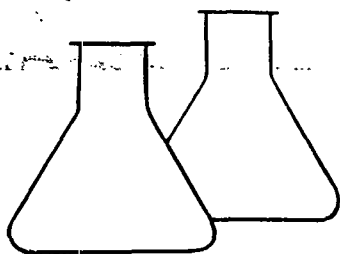
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: State, Stockpile Composite


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	Fuelco	Project #:	93156
Sample ID:	Stockpile	Date Reported:	07-09-93
Laboratory Number:	5571	Date Sampled:	07-02-93
Sample Matrix:	Soil	Date Received:	07-02-93
Preservative:	Cool	Date Extracted:	07-06-93
Condition:	Cool & Intact	Date Analyzed:	07-09-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	105 %
	2,4,6-tribromophenol	100 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure.
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

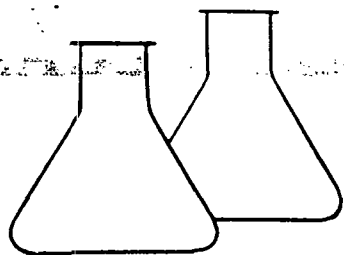
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: State, Stockpile Composite

Kevin L. Chénier
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Fuelco	Project #:	93156
Sample ID:	Stockpile	Date Reported:	07-09-93
Laboratory Number:	5571	Date Sampled:	07-02-93
Sample Matrix:	Soil	Date Received:	07-02-93
Preservative:	Cool	Date Extracted:	07-06-93
Condition:	Cool and Intact	Date Analyzed:	07-08-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

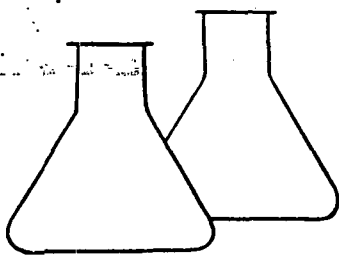
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: State, Stockpile Composite

Kevin L. Gorman
Analyst

Marissa D. Young
Review



ENVIROTECH LABS

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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Fuelco	Project #:	93156
Sample ID:	Stockpile	Date Reported:	07-09-93
Laboratory Number:	5571	Date Sampled:	07-02-93
Sample Matrix:	Soil	Date Received:	07-02-93
Preservative:	Cool	Date Analyzed:	07-08-93
Condition:	Cool & Intact	Date Extracted:	07-06-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.027	0.001	5.000
BARIUM	2.3	0.1	100.0
CADMIUM	0.011	0.001	1.000
CHROMIUM	0.002	0.001	5.000
LEAD	0.004	0.001	5.000
MERCURY	0.034	0.002	0.200
SELENIUM	0.016	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: State, Stockpile Composite

Kevin L. Ciemer
Analyst

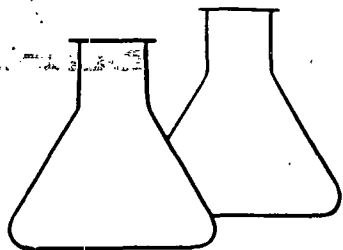
Morris D. Young
Review

ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENV RO TECH LABS

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

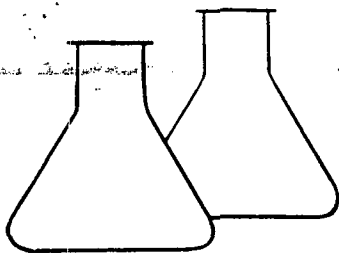
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-09-93
Laboratory Number:	0707vol.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-07-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.012	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.009	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	80 %
Bromofluorobenzene	96 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0707vol.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

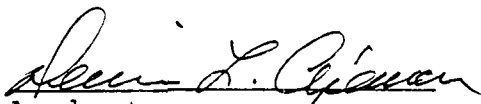
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

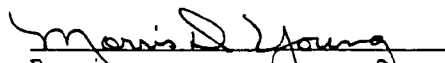
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

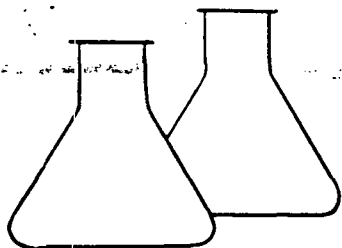
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-09-93
Laboratory Number:	0708tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-08-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	102 %
	2,4,6-tribromophenol	106 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

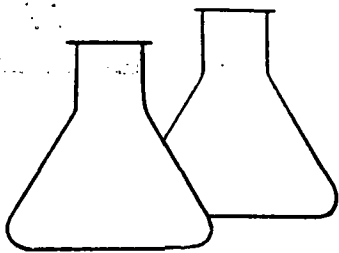
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Piemer
Analyst

Marie D. Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-09-93
Laboratory Number:	0708tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	07-08-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

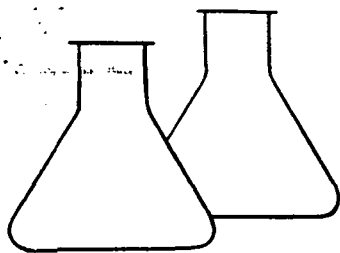
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Chaman
Analyst

Mavis D. Young
Review



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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	07-09-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-08-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

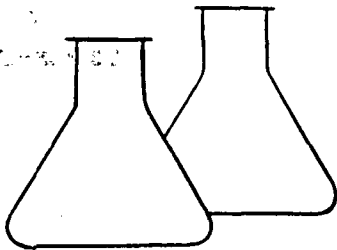
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Gleser
Analyst

Morris D. Young
Review



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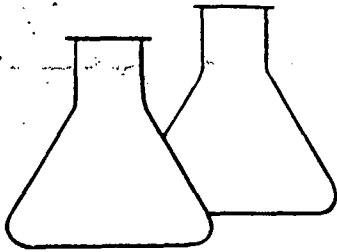
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	TCLP Vol Met Blk	Date Reported:	07-09-93
Laboratory Number:	MB-TCV.BLK	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool & Intact	Date Analyzed:	07-07-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.012	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.009	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	111 %
Bromofluorobenzene	102 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: TCLP Vol Met Blk
Laboratory Number: MB-TCV.BLK

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

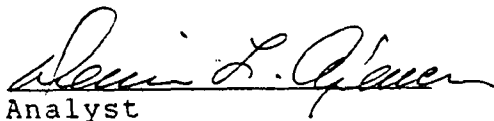
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

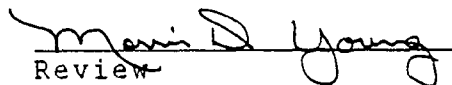
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

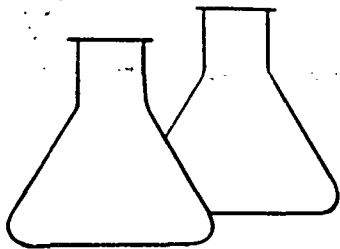
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extration Method Blank


Analyst


Review



ENV RO' TECH LABS

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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-09-93
Laboratory Number:	0701TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool & Intact	Date Analyzed:	07-08-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	96 %
	2,4,6-tribromophenol	91 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

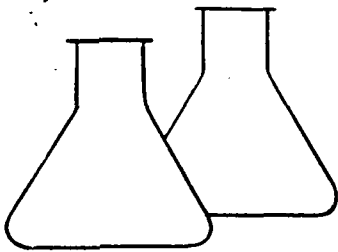
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Devin L. Jensen
Analyst

Marvin Young
Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-09-93
Laboratory Number:	0701TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool and Intact	Date Analyzed:	07-08-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	97 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

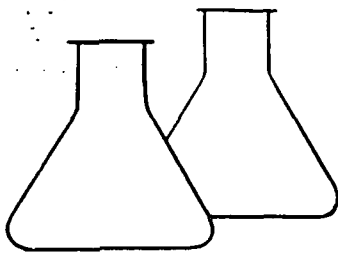
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Jones
Analyst

Maris D. Young
Review



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** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	07-09-93
Laboratory Number:	5571-S-TCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-07-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	14.4	11.6	121	28-163
2-Butanone	ND	10.0	12.7	7.3	85	47-132
1,1-Dichloroethene	ND	10.0	10.6	5.9	92	43-143
Chloroform	ND	10.0	10.2	8.9	102	49-133
Carbon Tetrachloride	ND	10.0	10.2	5.0	102	43-143
Benzene	ND	10.0	9.1	5.1	89	39-150
1,2-Dichloroethane	ND	10.0	10.6	5.0	106	51-147
Trichloroethene	ND	10.0	9.6	5.2	96	35-146
Tetrachloroethene	ND	10.0	9.4	5.1	89	26-162
Chlorobenzene	ND	10.0	8.9	5.0	89	38-150
1,4-Dichlorobenzene	ND	10.0	10.0	5.0	100	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

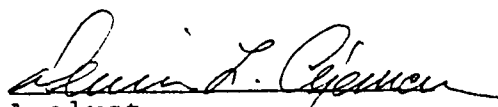
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, Sept. 1986

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

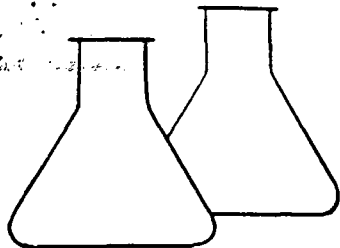
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENV RO TECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	07-09-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-08-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.101	101
BARIUM	10.0	3.5	13.5	100
CADMIUM	0.050	0.033	0.084	102
CHROMIUM	0.100	0.005	0.104	99
LEAD	0.100	0.166	0.267	101
MERCURY	0.025	0.025	0.050	100
SELENIUM	0.100	0.031	0.131	100
SILVER	1.00	ND	0.99	99

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

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. O'Brien
Analyst

Marvin D. Young
Review

CHAIN OF CUSTODY RECORD

[illegible]

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

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 7:15 am Dime Bush 7-12-93	4. Generator Quick Lube - UST	
2. Destination EnviroTech Land Farm #1	5. Name of Originating Site Quick Lube	
3. Address of Facility Operator Quick Lube 3531 East Main Farmington	6. Name of Transporter EnviroTech Inc	
7. Location of Material (Street Address or ULSTRI) SAMP	8. State NMEX	
9. Check One <input type="checkbox"/> 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. <input checked="" type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils generated by UST leak and removed when monitor wells were installed.

RECEIVED
JUL 14 1993
OIL CON. DIV.
DIST. 3

OIL CONSERVATION DIVISION
RECEIVED
JUL 14 1993
8 46

Estimated Volume 120 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Her Farnsworth TITLE Asst Supt DATE 7/13/93

TYPE OR PRINT NAME HER FARNSWORTH TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny R. Faint TITLE Geol DATE 7/14/93

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Denied
Pending court case from Southeast

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 7:15 AM Exempt Basis 7-12-93	4. Generator Quick Lube - UST	
2. Destination EnviroTech Land Farm #1	5. Name of Originating Site Quick Lube	
3. Address of Facility Operator Quick Lube 3536 East Main Farmington	6. Name of Transporter EnviroTech Inc	
7. Location of Material (Street Address or ULSTR) Camp	8. State N Mex	
9. Check One		
<input type="checkbox"/> 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. <input checked="" type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils generated by UST leak and removed when monitor wells were installed.

RECEIVED
JUL 14 1993
OIL CON. DIV
DIST. 3

Estimated Volume 120 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE VERI Farnsworth TITLE Port Sup DATE 7/13/93

TYPE OR PRINT NAME VERI FARNSWORTH TELEPHONE NO. 637-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: Sent Santa Fe 7/14/93

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Quick Lube 3536 E Main

Source of Contamination: UST

Generator: Quick Lube Farmington NM

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 X Landfarm #2

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: VERI FRANKS

Company: ENVIROTECH INC

Signature: Veri Franks

Date: 7-12-93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: Quick Lube 3536 EAST MAIN, FARMINGTON, N.M.
Source: HYDROGEOLOGIC INVESTIGATION OF UST SPILL
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

has been

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

Leonard Murray
Name Leonard Murray
Title/Agency Env. Spec., NM USTB
Address 724 W. ANIMAS
FARMINGTON, NM 87401
Signature _____
Date 7-12-93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS

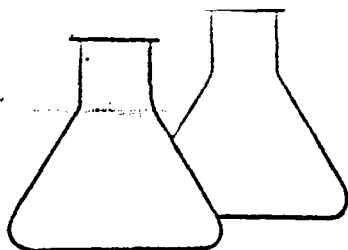
NON-EXEMPT WASTE MATERIAL

Originating Location: Quick Lube, 3536 East Main, Farmington, N.M.
Source: Soil from Hydrogeologic Investigation of UST Spill
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

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

QUICK LUBE.
Name GILBERT J. MILLSTINE JR.
Title/Agency PURCHASING AGENT
P.O. BOX 307
Address FARMINGTON N.M. 87499.
Signature Gilbert J. Millstine Jr.
Date 7/13/93



ENVIROTECH LABS

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

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

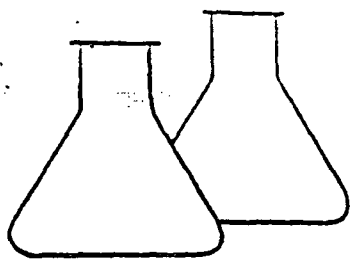
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Quick Lube	Project #:	91351
Sample ID:	R3 @ 14'	Date Reported:	03-12-93
Laboratory Number:	4746	Date Sampled:	03-09-93
Sample Matrix:	Soil	Date Received:	03-09-93
Preservative:	Cool	Date Extracted:	03-10-93
Condition:	Cool & Intact	Date Analyzed:	03-11-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.008	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.008	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	102 %
Bromofluorobenzene	111 %



ENVIROTECH LABS

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

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: R3 @ 14'
Laboratory Number: 4746

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

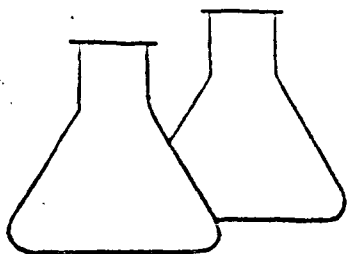
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: 3536 E. Main, Farmington

Kevin L. Cleaver
Analyst

Kevin D. Young
Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	Quick Lube	Project #:	91351
Sample ID:	R 3 @ 14'	Date Reported:	03-15-93
Laboratory Number:	4746	Date Sampled:	03-09-93
Sample Matrix:	Soil	Date Received:	03-09-93
Preservative:	Cool	Date Extracted:	03-11-93
Condition:	Cool & Intact	Date Analyzed:	03-12-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	0.057	0.020	200.0
p,m-Cresol	0.045	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.021	400.0
Pentachlorophenol	ND	0.020	100.0

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

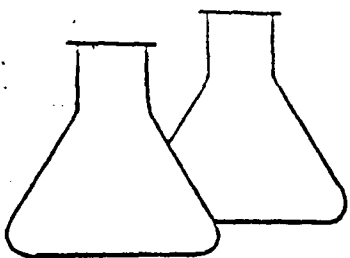
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: 3536 E. Main, Farmington, NM

Steven L. Pierson
Analyst

Monica D. Young
Review



ENVIRO TECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Quick Lube	Project #:	91351
Sample ID:	R 3 @ 14'	Date Reported:	03-15-93
Laboratory Number:	4746	Date Sampled:	03-09-93
Sample Matrix:	Soil	Date Received:	03-09-93
Preservative:	Cool	Date Extracted:	03-11-93
Condition:	Cool and Intact	Date Analyzed:	03-12-93
		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	5.0
Nitrobenzene	0.24	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

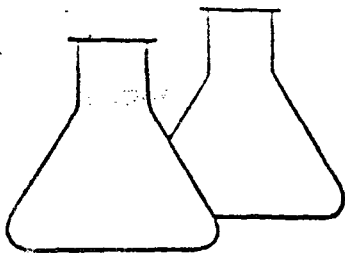
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Giesner
Analyst

Morris D. Young
Review



ENV RO TECH LABS

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

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Quick Lube	Project #:	91351
Sample ID:	R 3 @ 14'	Date Reported:	03-11-93
Laboratory Number:	4746	Date Sampled:	03-09-93
Sample Matrix:	Soil	Date Received:	03-09-93
Preservative:	Cool	Date Analyzed:	03-11-93
Condition:	Cool & Intact	Date Extracted:	03-10-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.006	0.001	5.000
BARIUM	1.8	0.1	100.0
CADMIUM	0.013	0.001	1.000
CHROMIUM	0.014	0.001	5.000
LEAD	0.012	0.001	5.000
MERCURY	0.049	0.002	0.200
SELENIUM	0.006	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986


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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: 3536 E. Main, Farmington


Analyst

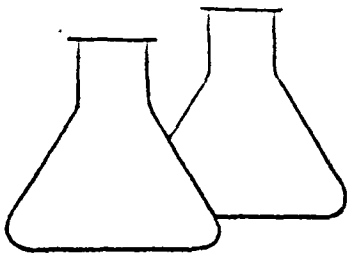

Review

ENVIROTECH LABORATORIES

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

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

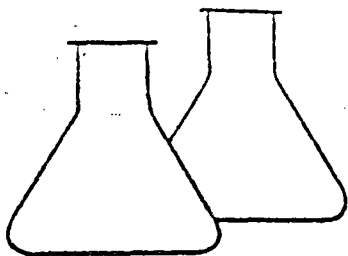
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA 3/12/93
Sample ID:	Laboratory Blank	Date Reported:	02-15-93
Laboratory Number:	0311tcv.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-11-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.008	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.008	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	103 %
Bromofluorobenzene	91 %



ENVIROTECH LABS

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

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0311tcv.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

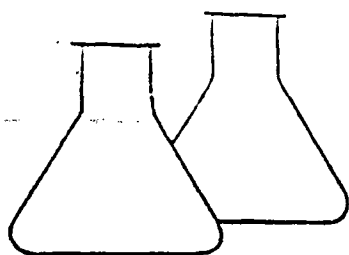
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Gencer
Analyst

Thomas J. Young
Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-15-93
Laboratory Number:	0312tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	03-12-93
Condition:	NA	Analysis Requested:	TCLP

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

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

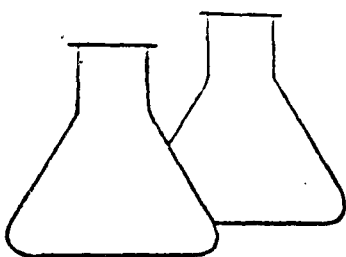
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Devin L. Pinner
Analyst

Wanda D. Young
Review



ENV ROTEC LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	03-15-93
Laboratory Number:	0312bn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	03-12-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

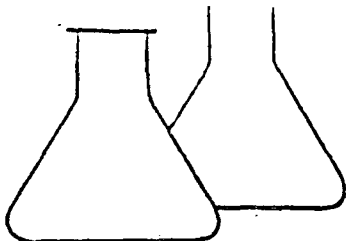
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Brown
Analyst

Gregory D. Young
Review



ENV RO TECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	03-11-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-11-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

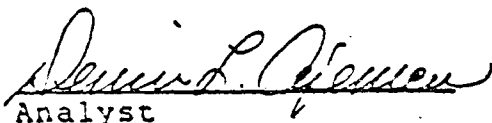
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

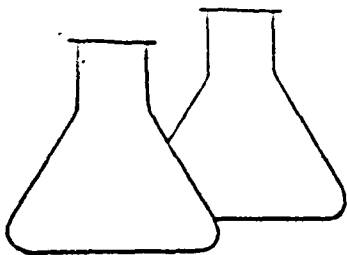
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



EPIROTECH 3S

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

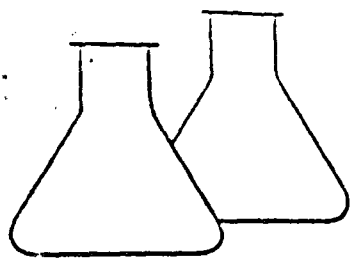
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	TCLP Method BLK	Date Reported:	03-12-93
Laboratory Number:	MET-TCV.BLK	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	03-10-93
Condition:	Cool & Intact	Date Analyzed:	03-11-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.008	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.006	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.008	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	102 %
Bromofluorobenzene	94 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: TCLP Method BLK
Laboratory Number: MET-TCV.BLK

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

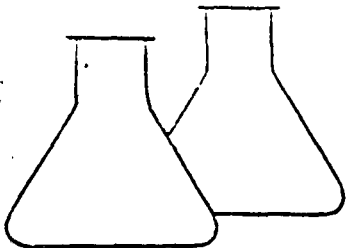
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. O'Brien
Analyst

Mari-DeYoung
Review



ENV ROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-15-93
Laboratory Number:	0312TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Extracted:	03-11-93
Condition:	NA	Date Analyzed:	03-12-93
		Analysis Requested:	TCLP

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

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

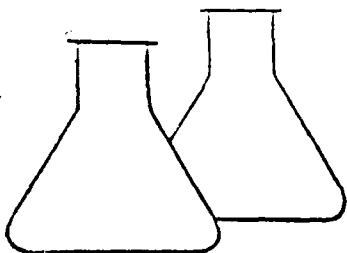
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Daniel L. Ciemer
Analyst

Morris D. Young
Review



EPIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-15-93
Laboratory Number:	0312BN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	NA	Date Extracted:	03-11-93
Condition:	NA	Date Analyzed:	03-12-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

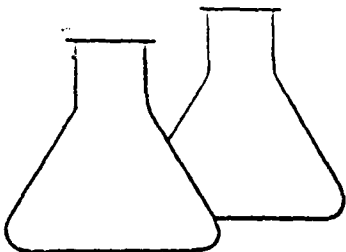
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP extraction method blank

David L. Pierson
Analyst

Maria D. Young
Review



ENVIROTECH 3S

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	03-11-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	03-11-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.006	0.107	101.0
BARIUM	10.0	1.8	11.7	99.0
CADMIUM	0.100	0.013	0.115	102.0
CHROMIUM	0.100	0.014	0.114	100.0
LEAD	0.100	0.012	0.111	99.0
MERCURY	0.050	0.049	0.103	108.0
SELENIUM	0.100	0.006	0.103	97.0
SILVER	1.00	ND	1.02	102.0

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

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Daniel L. Pomeroy
Analyst

M. D. Young
Review

CHAIN OF CUSTODY RECORD

[illegible]

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 7-13-93</i>	4. Generator Process Equipment <i>PESCD</i>	
2. Destination <i>EnviroTech Inc Land Cover II</i>	5. Name of Originating Site <i>Main office</i>	
3. Address of Facility Operator <i>Farmington, N Mex</i>	6. Name of Transporter <i>EnviroTech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>5690 US Hwy 64</i>	8. State <i>N Mex</i>	
9. Check One		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Dehydrator clean out sludge

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OIL CON. DIV.
DIST. 3

OIL CONSERVATION DIVISION
RECEIVED
93 JUL 16 AM 8 46

*Landfarm II
E-10*

Estimated Volume 50 cy Known Volume (to be entered by the operator at the end of the haul): 57CY cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *VERI Farnsworth* TITLE *Const Supt* DATE *7-13-93*

TYPE OR PRINT NAME *VERI FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Fout* TITLE *Geologist* DATE *7/14/93*

APPROVED BY *Roger R. Riden* TITLE *District Chief* DATE *7/16/93*

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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>7-13-93</i>	4. Generator <i>DESCO</i>	
2. Destination <i>EnviroTech Inc Land Area II</i>	5. Name of Originating Site <i>Main Office</i>	
3. Address of Facility Operator <i>Farmington, N Mex</i>	6. Name of Transporter <i>EnviroTech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>5680 US Hwy 64</i>	8. State <i>N Mex</i>	
9. Check One		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Dehydrator clean out sludge

RECEIVED
JUL 14 1993
OIL CON. DIV
DIST. 3

Estimated Volume 50 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Veri Farnsworth* TITLE *Const Supt* DATE *7-13-93*

TYPE OR PRINT NAME *VERI FARNSWORTH* TELEPHONE NO. *632-1615*

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: *Sent 7/14/93 Santa Fe*

ENVIRONMENTAL INC.

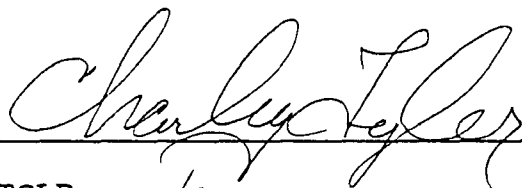
UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

REAFFIRMATION OF WASTE STATUS

I, hereby certify that there has been no change in the processes employed on the chemical stored/used at the facility generating this waste.

Signed



Date of TCLP

n/a

Name

CHARLEY TYLER

Company

PROCESS EQUIPMENT & SERVICE Co.

Site

5680 US 64 FARMINGTON, N.M.

Source

DEHYDRATOR CLEAN OUT

Date

July 13, 1993

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Farmington Fire Equipment Co.</i>	
2. Destination <i>Envirotech Inc Land Farm #1</i>	5. Name of Originating Site <i>Yard</i>	
3. Address of Facility Operator <i>6105 E Main Farmington NM</i>	6. Name of Transporter <i>Envirotech Inc.</i>	
7. Location of Material (Street Address or ULSTR) <i>6105 E Main</i>	8. State <i>N Mex</i>	
9. <u>Check One</u> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

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JUL 4 1993
OIL CON. DIV.
DIST. 3

BRIEF DESCRIPTION OF THE MATERIAL:

Approx 1 cy of Soil mixed with gas, diesel and oil that was set a fire and then extinguished with dry chemicals from fire extinguishers to test the fire fighting equipment.

On May 22, 92 we were able to receive a drum of this same material and would request permission again to do so.

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Farnsworth* TITLE *Asst Supt* DATE *7-13-93*

TYPE OR PRINT NAME *VERL FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Foust* TITLE *Geol* DATE *7/14/93*

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Denny G. Foust

Pending court case from Southeast continuation of prior disposal.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Farmington Fire Equipment Co.</i>	
2. Destination <i>Enviro Tech Inc Land Farm #1</i>	5. Name of Originating Site <i>Navd</i>	
3. Address of Facility Operator <i>6105 E Main Farmington NM</i>	6. Name of Transporter <i>Enviro Tech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>6105 E Main</i>	8. State <i>N Mex</i>	
9. <u>Check One</u> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

RECEIVED
JUL 14 1993
OIL CON. DIV
DIST. 3

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Approx 1 cy of Soil mixed with gas, diesel and oil that was set a fire and then extinguished with dry chemicals from fire extinguishers to test the fire fighting equipment.

On May 22, 92 we were able to receive a drum of this same material and would request permission again to do so.

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Farnsworth* TITLE *Const Supt* DATE *7-13-93*

TYPE OR PRINT NAME *VERL FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: *sent Roger 7/17/93*

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

Certification of Waste Status

Originating location 6105 E. MAIN FARMINGTON

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature W.E. Smith
Name, Date W.E. Smith 5-27-92
Company FARMINGTON FIRE EQUIP.
Address P.O. Box 887 Farmington

ENVIROTECH INC.

92181

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

*Verbal
Authorization
5/22, 1992*

May 19, 1992

Mr. Denny G. Foust
Environmental Geologist
State of New Mexico Oil Conservation Division
Aztec District Office
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Contaminated Soil Remediation


Dear Mr. Foust:

Farmington Fire Equipment Company and the Farmington City Fire Department have requested Envirotech receive and remediate a drum of diesel fuel contaminated soil that resulted from a fire department demonstration.

The parties will certify that the spill material contains only fuel used for the fire fighting demonstration and, to the best of their knowledge, no hazardous materials have been mixed with this soil.

Your help on this matter is greatly appreciated.

Sincerely,


Morris D. Young
President

MDY/jmj
312J.DOC

c: William Smith-Farmington Fire Equipment Company

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Nielsons Inc</i>	
2. Destination <i>Envirotech Inc Land Farm #1</i>	5. Name of Originating Site <i>San Juan Coal Mine</i>	
3. Address of Facility Operator <i>Nielsons Inc PO Box 1660 Cortez, Colo 81321</i>	6. Name of Transporter <i>Envirotech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>SAN JUAN COAL Fruitland NM</i>	8. State <i>New Mexico</i>	
9. <u>Check One</u> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Soils contaminated by diesel and motor oil at a construction site at the San Juan Coal mine located in Fruitland, N.M. Nielson's Inc is the generator. Soils from around diesel fuel tank and service truck operations.

CONSERVATION DIVISION
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 JUL 14 1993
 OIL CON. DIV.
 DIST. 3

Estimated Volume 15 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Val Farnsworth* TITLE *Asst Supt* DATE *7/12/93*

TYPE OR PRINT NAME VAL FARNSWORTH TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY *Denny D. Fount* TITLE *Geologist* DATE *7/14/93*

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*Pending Courtcase
in the Southeast*
Daniel RA

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Nielsens Inc</i>	
2. Destination <i>Envirotech Inc (and Farm #1)</i>	5. Name of Originating Site <i>San Juan Coal Mine</i>	
3. Address of Facility Operator <i>Nielsens Inc PO Box 1660 Cortez, Colo 81321</i>	6. Name of Transporter <i>Envirotech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>San Juan Coal Fruitland NM</i>	8. State <i>New Mexico</i>	
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Soils contaminated by diesel and motor oil at a construction site at the San Juan Coal mine located in Fruitland, N.M. Nielsen's Inc is the generator. Soils from around diesel fuel tank and service truck operations.

RECEIVED

JUL 14 1993

OIL CON. DIV.
DIST. 3

Estimated Volume 15 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Farnsworth* TITLE *Plant Supt* DATE *7/12/93*

TYPE OR PRINT NAME *VERL FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: *Sent Rose 7/14/93*

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS

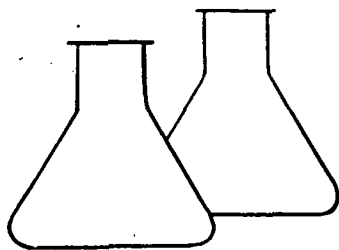
NON-EXEMPT WASTE MATERIAL

Originating Location: San Juan Powerplant, N.M.
Source: Heavy Equipment Lubricants, engine oil, Hydraulic fluid, etc
Disposal Location: Envirotech Soil Remediation Facility, (ESRF) # /
Hilltop, New Mexico

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

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

Name Paul Youngmark
Title/Agency Equip. Mgr.
Address P.O. Box 1460
Opp, Ariz. Co 85351
Signature Paul Youngmark
Date July 12, 1993



ENVIROTECH LABS

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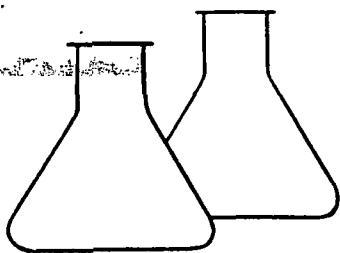
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Neilsen Inc.	Project #:	93165
Sample ID:	SJC - Job 29	Date Reported:	07-09-93
Laboratory Number:	5551	Date Sampled:	07-01-93
Sample Matrix:	Soil	Date Received:	07-01-93
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool & Intact	Date Analyzed:	07-07-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.012	0.2
2-Butanone	0.011	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.009	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	0.018	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	102 %
Bromofluorobenzene	117 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: SJC - Job 29
Laboratory Number: 5551

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

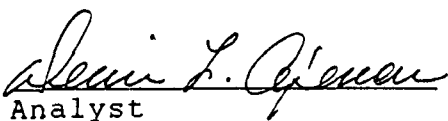
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

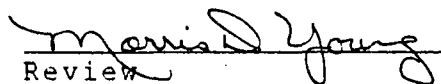
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

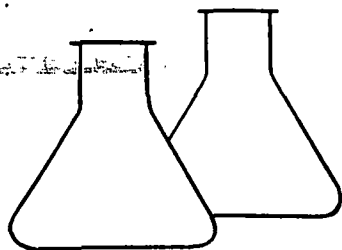
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine


Analyst


Review



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

EPA METHOD 8040 PHENOLS

Client:	Neilsen Inc.	Project #:	93165
Sample ID:	SJC - Job 29	Date Reported:	07-09-93
Laboratory Number:	5551	Date Sampled:	07-01-93
Sample Matrix:	Soil	Date Received:	07-01-93
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool & Intact	Date Analyzed:	07-09-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	0.217	0.020	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

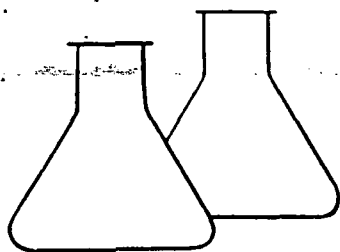
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine

Steven L. Gemen
Analyst

Monis D. Young
Review



ENV RO' ECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Neilsen Inc.	Project #:	93165
Sample ID:	SJC - Job 29	Date Reported:	07-09-93
Laboratory Number:	5551	Date Sampled:	07-01-93
Sample Matrix:	Soil	Date Received:	07-01-93
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool and Intact	Date Analyzed:	07-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	0.089	0.020	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	91 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

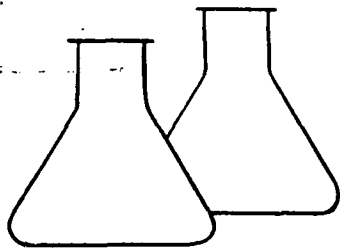
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine

Devin L. Cleaver
Analyst

Marion D. Young
Review



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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Neilsen Inc.	Project #:	93165
Sample ID:	SJC - Job 29	Date Reported:	07-09-93
Laboratory Number:	5551	Date Sampled:	07-01-93
Sample Matrix:	Soil	Date Received:	07-01-93
Preservative:	Cool	Date Analyzed:	07-08-93
Condition:	Cool & Intact	Date Extracted:	07-01-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.021	0.001	5.000
BARIUM	1.4	0.1	100.0
CADMIUM	0.004	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	0.001	0.001	5.000
MERCURY	0.029	0.002	0.200
SELENIUM	0.010	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

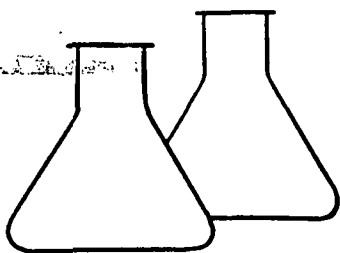
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine

Steven L. Jensen
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

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

SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:	Neilson's Inc.	Project #:	93165
Sample ID:	SJC-Job 29	Date Reported:	07-06-93
Lab ID#:	5551	Date Sampled:	07-01-93
Sample Matrix:	Soil	Date Received:	07-01-93
Preservative:	Cool	Date Analyzed:	07-06-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 8.00

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

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

Comments: \leq pH 2 or \geq pH 12.5 is hazardous waste
San Juan Coal Mine.

A. Chaharlang
Analyst

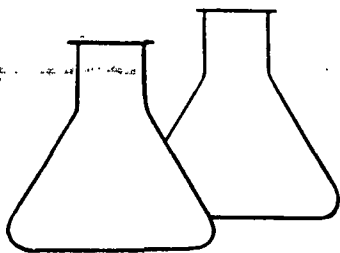
Monica Young
Reviewed

ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

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

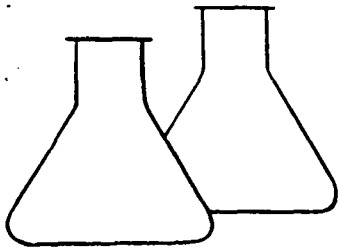
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-09-93
Laboratory Number:	0707vol.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-07-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.012	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.009	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	80 %
Bromofluorobenzene	96 %



ENV RO TECH LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0707vol.blk

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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

Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

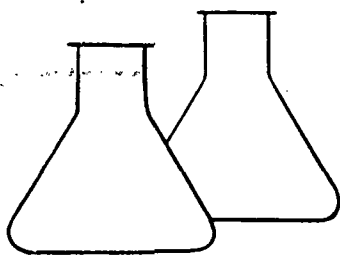
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Devin L. Spencer
Analyst

Marion D. Young
Review



ENV RO TECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-09-93
Laboratory Number:	0708tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	07-08-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	102 %
	2,4,6-tribromophenol	106 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

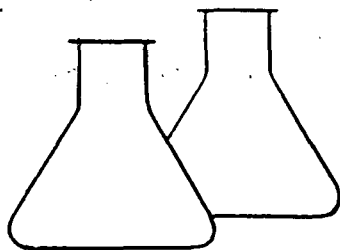
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Shawn L. O'Brien
Analyst

Maris D. Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	07-09-93
Laboratory Number:	0708tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	07-08-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

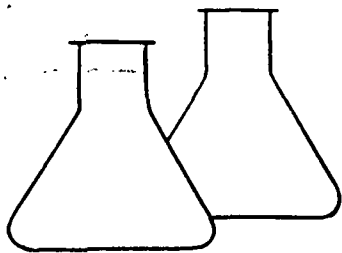
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Cramer
Analyst

Morris D. Young
Review



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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	07-09-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-08-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

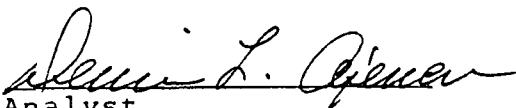
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

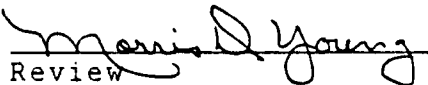
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

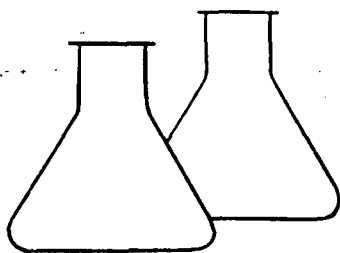
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

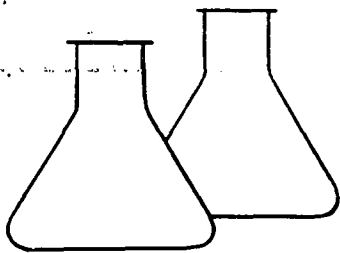
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	TCLP Vol Met Blk	Date Reported:	07-09-93
Laboratory Number:	MB-TCV.BLK	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool & Intact	Date Analyzed:	07-07-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.012	0.2
2-Butanone	ND	0.007	200
1,1-Dichloroethene	ND	0.006	0.7
Chloroform	ND	0.009	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	111 %
Bromofluorobenzene	102 %



ENVIROTECH LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: TCLP Vol Met Blk
Laboratory Number: MB-TCV.BLK

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

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


Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986


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

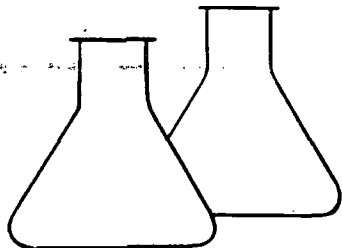
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extration Method Blank


Analyst


Review



ENVIRONMENTAL ROBOTICS LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-09-93
Laboratory Number:	0701TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool & Intact	Date Analyzed:	07-08-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	96 %
	2,4,6-tribromophenol	91 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

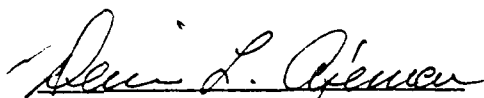
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

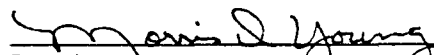
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

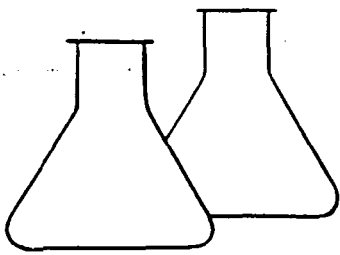
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	07-09-93
Laboratory Number:	0701TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	07-01-93
Condition:	Cool and Intact	Date Analyzed:	07-08-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	97 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986.

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

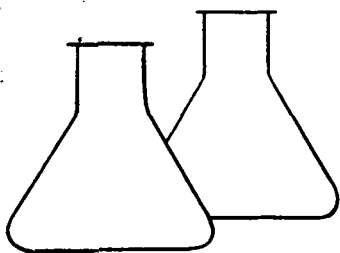
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Cisneros
Analyst

Morris D. Young
Review



ENVIRO TECH LABS

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

** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	07-09-93
Laboratory Number:	5571-S-TCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-07-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	14.4	11.6	121	28-163
2-Butanone	ND	10.0	12.7	7.3	85	47-132
1,1-Dichloroethene	ND	10.0	10.6	5.9	92	43-143
Chloroform	ND	10.0	10.2	8.9	102	49-133
Carbon Tetrachloride	ND	10.0	10.2	5.0	102	43-143
Benzene	ND	10.0	9.1	5.1	89	39-150
1,2-Dichloroethane	ND	10.0	10.6	5.0	106	51-147
Trichloroethene	ND	10.0	9.6	5.2	96	35-146
Tetrachloroethene	ND	10.0	9.4	5.1	89	26-162
Chlorobenzene	ND	10.0	8.9	5.0	89	38-150
1,4-Dichlorobenzene	ND	10.0	10.0	5.0	100	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
Sept. 1986

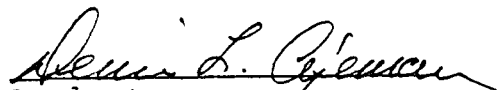
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, Sept. 1986

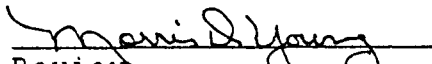
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

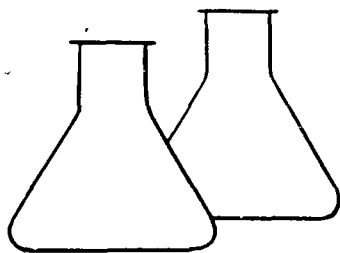
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	07-09-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	07-08-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.101	101
BARIUM	10.0	3.5	13.5	100
CADMIUM	0.050	0.033	0.084	102
CHROMIUM	0.100	0.005	0.104	99
LEAD	0.100	0.166	0.267	101
MERCURY	0.025	0.025	0.050	100
SELENIUM	0.100	0.031	0.131	100
SILVER	1.00	ND	0.99	99

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

Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Shawn L. Spencer
Analyst

Morris D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>Neilsen Inc</i>			Project Location <i>San Juan Coal Mine</i>		ANALYSIS/PARAMETERS							
Sampler: (Signature) <i>Val Farnsworth</i>			Chain of Custody Tape No. <i>93165</i>		No. of Containers <i>1</i>	<i>TC</i>	<i>No heat part.</i>					Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<i>SIC-Job 29</i>	<i>7/1/93</i>	<i>11.50</i>	<i>5551</i>	<i>Soil</i>								
Relinquished by: (Signature) <i>Val Farnsworth</i>			Date <i>7/1/93</i>	Time <i>12:40</i>	Received by: (Signature) <i>Devin L. Clemen</i>			Date <i>7-1-93</i>	Time <i>12:40</i>			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

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

225

225

CF2-J5

92117-03

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter El Paso	
2. Destination ESRF # 2	5. Generator El Paso Natural Gas	
3. Address of Facility Operator Envirotech Inc. 5796 US Hwy. 64-3014 Farmington, NM	6. Name of Originating Site Lateral 2 C-4	
7. Originating Location of Material (Street Address or ULSTR) Lateral 2 C-4 SW/4 Sec 16 T 25N R 7W Rio Arriba County	8. State New Mexico	

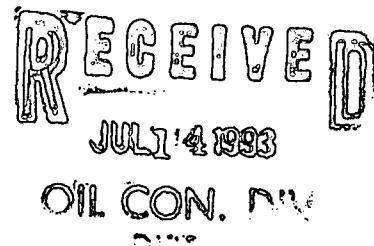
9. Check One
- ☒ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
- ☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☐ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.
- All transporters must certify that the wastes delivered are only those consigned for transport.

Projected Date(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

hydrocarbon contaminated soil from a El Paso lateral

Pin hole corrosion leak ~~probably~~ in gathering line.



J-5

Estimated Volume 8 yd³ Known Volume (to be entered by the operator at the end of the haul): 15 yd³

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Morris D. Young TITLE President DATE June 29, 1993

TYPE OR PRINT NAME Morris D. Young TELEPHONE NO 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foat TITLE Geologist DATE 6-30-93

APPROVED BY Eric Busch TITLE Geologist DATE 7-7-93

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

Certification of Waste StatusOriginating location Lateral 2C-4 ; SW/4, Sec 16

T-25N, R-7W

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM
Rio Arriba County

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature

Anu Pundari

Name, Date

Anu Pundari 6/29/93

Company

EL Paso Natural Gas

Address

P.O. Box 4990Farmington, NM

87499

REQUEST FOR APPL. L TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 7/10/93 (Submitting this form for oilfield exempt waste is optional)		4. Name of Transporter Envirotech
2. Destination Envirotech Land Farm # 2		5. Generator Meridian Oil
3. Address of Facility Operator M.O.I. P.O. Box 4289 Farmington NM 87499		6. Name of Originating Site Mangum #6
7. Originating Location of Material (Street Address or ULSTR) Section 21 T 29 N R 11 W		8. State New Mexico
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved. All transporters must certify that the wastes delivered are only those consigned for transport.		

Projected Date(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Production Tank overflow

RECEIVED
JUL 14 1993
OIL CON. DIV.
DIST. 3

A-23

Estimated Volume 90 yd³ Known Volume (to be entered by the operator at the end of the haul): 110 ~~20~~ yd³

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Const. Supt. DATE 7/10/93

TYPE OR PRINT NAME VEEL FRAUSWORTH TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny B. Fout TITLE Geol DATE 7/14/93

APPROVED BY [Signature] TITLE Geol DATE 7/14/93

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. MANGUM #6
2. Volume: _____ Cubic Yards _____ Barrels _____ Gallons
3. Description of Waste: OIL SOAKED DIRT
4. Method of Waste Generation: PRODUCTION TANK OVERFLOW
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

John E. Gilman
(signature)

Date 7-8-92

MOI
On Site
Representative

Transportation Company: ENVIROTECH

Date(s) Transported: 7-8-92

MOI Representative on Site

Mike McKinnis
(signature)

Date 7-8-92

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____

(signature)

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

Certification of Waste Status

Originating location MANGUM #6

Disposal Location: Envirotech Soil Remediation Site, Hilltop, N.M.

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and C, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature

John E. Dolan

Name, Date

John E. Dolan 7-8-93

Company

Meridian Oil Inc.

Address

3535 E. 30th

Farmington, N. Mex.

Envirotech Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. MANCUM #6
2. Volume: _____ Cubic Yards _____ Barrels _____ Gallons
3. Description of Waste: OIL SOAKED DIRT
4. Method of Waste Generation: PRODUCTION TANK OVERFLOW
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

John E. Gilman
(signature)

Date 7-8-92

MOI
On Site
Representative

Transportation Company: ENVIROTECH

Date(s) Transported: 7-8-92

MOI Representative on Site

Mike McKinnis
(signature)

Date 7-8-92

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____

(signature)

ENVIROTECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

Certification of Waste Status

Originating location MANGUM #6

Disposal Location: Envirotech Soil Remediation Site, Hilltop, N.M.

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature

[Handwritten Signature]

Name, Date

JOHN ADAMS 7-8-93

Company

Meridian Oil Inc.

Address

2535 E. 30th

Farmington, N. Mex.

Envirotech Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. MANGUM #6
2. Volume: _____ Cubic Yards _____ Barrels _____ Gallons
3. Description of Waste: OIL SOAKED DIRT
4. Method of Waste Generation: PRODUCTION TANK OVERFLOW
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

John E. Gibson
(signature)

Date 7-8-92

MOI
On Site
Representative

Transportation Company: ENVIROTECH

Date(s) Transported:

7-8-92

MOI Representative on Site

Mike McKinnis
(signature)

Date 7-8-92

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____

(signature)

ENVIROTECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

Certification of Waste Status

Originating location MANGUM #6

Disposal Location: Envirotech Soil Remediation Site, Hilltop, N.M.

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature

John E. Ehlert

Name, Date

John E. Ehlert 7-8-93

Company

Meridian Oil Inc.

Address

2535 E. 30th

Farmington, N. Mex.

Envirotech Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. MANGUM #6
2. Volume: _____ Cubic Yards _____ Barrels _____ Gallons
3. Description of Waste: OIL SOAKED DIRT
4. Method of Waste Generation: PRODUCTION TANK OVERFLOW
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

John E. Gilman
(signature)

Date 7-8-92

MOI
On Site
Representative

Transportation Company: ENVIROTECH

Date(s) Transported: 7-8-92

MOI Representative on Site

Mike McKinnis
(signature)

Date 7-8-92

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: _____

Total Volume Received: _____

Waste Location : Cell/Grid No. _____

Received By : _____

(signature)

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION


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

Certification of Waste Status

Originating location MANGUM #6

Disposal Location: Envirotech Soil Remediation Site, Hilltop, N.M.

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature 
Name, Date John Nolan 7-8-93
Company Meridian Oil Inc.
Address 2535 E. 20th
Farmington, N. Mex.

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Mangum # 6
Source of Contamination: Production Tank overflow
Generator: Meridian Oil Co.
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: GENEL GOSNELL
Company: Envirotech

Signature: Genel Gosnell
Date: 7/10/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)	4. Name of Transporter Envirotech Inc.
2. Destination ESRF # 2	5. Generator Meridian Oil
3. Address of Facility Operator Meridian Oil 3535 East 30th Street Farmington, NM	6. Name of Originating Site Val Verde Gas Plant
7. Originating Location of Material (Street Address or ULSTR) Val Verde Gas Plant Bloomfield, New Mexico	8. State New Mexico

9. Check 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

Projected Date(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Stabilized hydrocarbon contaminated wastes from clean out of Val Verde Gas Plant
gas processing train

RECEIVED
JUL 2 1993
OIL CON. DIV.
DIST. 3

RECEIVED
JUL 01 1993
OIL CONSERVATION DIV.
SANTA FE

Estimated Volume 200 yd³ Known Volume (to be entered by the operator at the end of the haul): 200 yd³

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Morris D. Young TITLE President DATE June 28, 1993

TYPE OR PRINT NAME Morris D. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Fout TITLE Geologist DATE 7/2/93

APPROVED BY Roger Anderson TITLE Env Bureau Ch DATE 7/1/93

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

June 29, 1993

Mr. Roger Anderson
State of New Mexico Oil Conservation Division
State Land Office Building
P.O.Box 2088
Santa Fe, New Mexico 87504

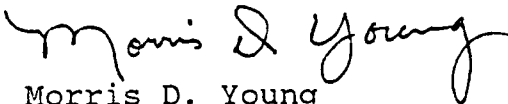
Re: Request for Approval to receive Meridian Oil
stabilized Val Verde Gas Plant waste

Dear Mr. Anderson;

Meridian Oil Company has requested Envirotech receive for remediation stabilized hydrocarbon contaminated wastes from the clean out of the Val Verde Gas Plant gas processing train. Meridian Oil Co. has had the attached TCLP and waste characterization tests preformed that show the waste to be neutralized and characterized as non-hazardous.

Attached please find the NMOCD's Request for Approval to Accept Solid Waste Form. Envirotech requests authorization to accept this material for remediation.

Sincerely,



Morris D. Young
President
MDY/cj203

✓ CC: Denny Foust - NMOCD Aztec office
Michael J. Frampton - Meridian Oil Co.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non <input checked="" type="checkbox"/> npt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/> (Submitting this form for oilfield exempt waste is optional)		4. Name of Transporter Envirotech Inc.
2. Destination ESRF # 2		5. Generator Meridian Oil
3. Address of Facility Operator Meridian Oil 3535 East 30th Street Farmington, NM		6. Name of Originating Site Val Verde Gas Plant
7. Originating Location of Material (Street Address or ULSTR) Val Verde Gas Plant Bloomfield, New Mexico		8. State New Mexico

9. Check 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify that the wastes delivered are only those consigned for transport.

Projected Date(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

Stabilized hydrocarbon contaminated wastes from clean out of Val Verde Gas Plant
gas processing train

Estimated Volume 200 yd³ Known Volume (to be entered by the operator at the end of the haul): _____ yd³

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Morris D. Young TITLE President DATE June 28, 1993

TYPE OR PRINT NAME Morris D. Young TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MERIDIAN OIL**CERTIFICATE OF WASTE STATUS****NON-EXEMPT WASTE MATERIAL**

Originating Location: Meridian Oil - Val Verde Gas Plant

Source: Water wash heat transfer exchanger and loop of gas processing train

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

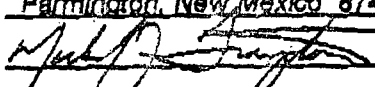
"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. This waste has been analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous.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

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

Name: Meridian Oil Inc. - Michael J. Fremont

Title: Sr. Staff Environmental Representative

Address: PO Box 4289
Farmington, New Mexico 87499

Signature: 

Date: July 1, 1993

Assaigai Analytical Labs
7300 Jefferson NE
Albuquerque, NM 87109

Attn: MARLEAH M. MARTIN
Phone: (505) 345-8964

MERIDIAN OIL
3535 EAST 30TH STREET
FARMINGTON, NM 87402

Attn: MIKE FRAMPTON

Purchase Order: OPEN ACCOUNT
Invoice Number:

Order #: 93-05-111
Date: 05/28/93 13:27
Work ID: CAUSTIC WASH
Date Received: 05/17/93
Date Completed: 05/28/93

Client Code: MER01

SAMPLE IDENTIFICATION

Sample Number	Sample Description	Sample Number	Sample Description
01	CAUSTIC WASH TANK		

ND = None Detected D_F = Dilution Factor NT = Not Tested
B = Analyte was present in the blank J = Estimated value
E = Estimated Value, Concentration exceeds calibration range
MULTIPLY THE LIMIT BY THE DILUTION FACTOR.

Marleah Martin
Certified By
Marleah Martin



Received: 05/17/93

Results By Test

TEST CODE default units	Sample <u>01</u> (entered units)
T8270X	N/A
N/A	
TCLPXX	N/A
N/A	
TCLPZX	N/A
N/A	
TCVHGX	N/A
N/A	
TFMAX	N/A
N/A	
TGFAAX	N/A
N/A	



Received: 05/17/93

Results by Sample

SAMPLE ID CAUSTIC WASH TANK FRACTION 01C TEST CODE T8270 NAME TCLP SVOA in water
Date & Time Collected 05/11/93 Category WATER

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
2-Methylphenol / O-Cresol	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
3/4-Methylphenol / M/P-Cresol	<u>ND</u>	<u>0.0020</u>	<u>875</u>	<u>05/25/93</u>
Hexachloroethane	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
Nitrobenzene	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
Hexachlorobutadiene	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
2,4,6-Trichlorophenol	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
2,4,5-Trichlorophenol	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
2,4-Dinitrotoluene	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
Hexachlorobenzene	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
Pentachlorophenol	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>
Pyridine	<u>ND</u>	<u>0.0010</u>	<u>875</u>	<u>05/25/93</u>

Notes and Definitions for this Report:

EXTRACTED _____
ANALYST JS
FILE ID S0853.D
UNITS mg/L
BATCH ID TSVOA-26
TCLP_XT_DATE 05/18/93



Page 3

REPORT

Work Order # 93-05-111

Received: 05/17/93

Results by Sample

SAMPLE ID CAUSTIC WASH TANKFRACTION 01ETEST CODE TMETALNAME TCLP Met. Anal. in waterDate & Time Collected 05/11/93Category WATER

PARAMETER	RESULT	LIMIT	D_F	DATE_EXT	DATE_ANAL
Arsenic, As	<u>0.025</u>	<u>0.0050</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/24/93</u>
Barium, Ba	<u>10.3</u>	<u>0.50</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/20/93</u>
Cadmium, Cd	<u>0.059</u>	<u>0.0030</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/20/93</u>
Chromium, Cr	<u>0.14</u>	<u>0.020</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/20/93</u>
Lead, Pb	<u>0.40</u>	<u>0.10</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/20/93</u>
Mercury, Hg	<u>0.0013</u>	<u>0.00020</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/19/93</u>
Selenium, Se	<u>ND</u>	<u>0.0050</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/24/93</u>
Silver, Ag	<u>0.06</u>	<u>0.010</u>	<u>1.0</u>	<u>05/19/93</u>	<u>05/20/93</u>

Notes and Definitions for this Report:

ANALYST KHUNITS mg/LBATCH_ID WGFAA-213, WFAA-188, WCVAA-67TCLP_XT_DATE 05/19/93

Received: 05/17/93

Results by Sample

SAMPLE ID CAUSTIC WASH TANK FRACTION 01A TEST CODE WFLASH NAME Flash point in water
Date & Time Collected 05/11/93 Category WATER

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
Flash Point	<u>SEE NOTE</u>	<u>20</u>	<u>1.0</u>	<u>05/24/93</u>

Notes and Definitions for this Report:

EXTRACTED _____
ANALYST DH
UNITS Deg Centigrade
BATCH_ID WFLASH-031
COMMENTS _____ N/A



REPORT

Work Order # 93-05-111

17/93

Results by Sample

IC WASH TANK

FRACTION 01A TEST CODE WPH NAME PH in water
Date & Time Collected 05/11/93 Category WATER

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
pH	<u>7.0</u>	<u>0.10</u>	<u>1.0</u>	<u>05/17/93</u>

Notes and Definitions for this Report:

EXTRACTED _____
ANALYST TK
UNITS pH Units
BATCH_ID WPH-095
COMMENTS _____ N/A



Received: 05/17/93

Results by Sample

SAMPLE ID CAUSTIC WASH TANK FRACTION 01B TEST CODE WREACT NAME Reactivity in water
Date & Time Collected 05/11/93 Category WATER

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
Sulfide	<u>NON-REACT</u>	<u>500</u>	<u>1.0</u>	<u>05/26/93</u>
Cyanide	<u>NON-REACT</u>	<u>250</u>	<u>1.0</u>	<u>05/26/93</u>

Notes and Definitions for this Report:

EXTRACTED 05/11/93ANALYST TKUNITS mg/LBATCH_ID WREACT-003COMMENTS N/A

7

REPORT

Work Order # 93-05-111

Received: 05/17/93

Results by Sample

SAMPLE ID CAUSTIC WASH TANK FRACTION 01D TEST CODE Z8240 NAME ZHB/TCLP Volatiles /water
Date & Time Collected 05/11/93 Category WATER

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
Vinyl Chloride	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
1,1-Dichloroethene	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
Chloroform	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
1,2-Dichloroethane	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
2-Butanone (MEK)	<u>1.9</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
Carbon Tetrachloride	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
Trichloroethene	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
Benzene	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
Tetrachloroethene	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
Chlorobenzene	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>
1,4-Dichlorobenzene	<u>ND</u>	<u>0.0010</u>	<u>50</u>	<u>05/26/93</u>

Notes and Definitions for this Report:

EXTRACTED _____
ANALYST JS
FILE ID V1384
UNITS mg/L
BATCH_ID TVOA-40
TCLP_XT_DATE 05/18/93



Received: 05/17/93

05/28/93 13:27:07

25

MERIDIAN OIL

PLEASE NOTE: VAPORIZATION OF SAMPLE EXTINGUISHES FLAME. HOWEVER, NO FLASHPOINT WAS OBSERVED UP TO 90 DEGREES CELSIUS; AT WHICH POINT SAMPLE BEGINS TO BOIL.



ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

January 3, 1994

Ms. Kathy Brown
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

RECEIVED
JAN 05 1994
OIL CON. DIV.
DIST. 3

Re: Retraction of Request to Accept Solid Waste
Envirotech Soil Remediation Facility

Dear Ms. Brown:

This correspondence is to rectify an error resulting from an oversight on my part. On December 16, 1993 I sent a Request for Approval to Accept Solid Waste for 140 cubic yards of "contaminated soils from equipment used in oilfield contaminated soil excavation", listing Envirotech as the generator. Upon further investigation into the nature of the contaminated soils, it became apparent that much of the soil addressed in this request may have originated from a non-oilfield source.

At this time, we are petitioning for a retraction of this Request from your department files. Please forward your copy of the request to my attention for proper deletion in our files.

Thank you for your assistance in this matter. We sincerely appreciate working with you on our landfarms.

Respectfully submitted,
ENVIROTECH, INC.

Robert M. Young
Robert M. Young
Environmental Biologist

Retract.LTR

cc: Mr. Denny Foust, NMOCD Aztec, NM office.
File

RMY/rmy

Roger Anderson

91005

OIL CONSERVATION DIVISION

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		RECEIVED
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	XXXXXXXXXXXXXXXXXXXXXXXXXXXX 4. Generator ENVIROTECH DEC 18 1993	
2. Destination LANDFARM #2	5. Name of Originating Site ENVIROTECH	
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM 87401	6. Name of Transporter ENVIROTECH	
7. Location of Material (Street Address or ULSTR) 5796 US Hwy 64-3014, FARMINGTON, NM 87401	8. State New Mexico	
9. Check One		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils FROM EQUIPMENT USED IN OILFIELD.
 Contaminated SOIL EXCAVATIONS.
 Soils

RECEIVED
 DEC 28 1993
 OIL CON. DIV.
 DIST. 3

RECEIVED
 DEC 20 1993
 OIL CON. DIV.
 DIST. 3

Estimated Volume 140 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LANDFARM SUPERVISOR DATE 12/16/93

TYPE OR PRINT NAME ROBERT YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Feint TITLE Geologist DATE 12/19/93

APPROVED BY Ruth M. Brown TITLE Geologist DATE 12/27/93

CONDITIONS OF APPROVAL, IF ANY:

Kathy Brown

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 Mal.	
2. Destination Envirotech Land Farm # 2 Hill top NM	5. Name of Originating Site Valverde Gas Plant	
3. Address of Facility Operator 5796 E Hiway 64 Farmington	6. Name of Transporter Envirotech	
7. Location of Material (Street Address or ULSTR) A-14-T29N-R11W	8. State New Mexico	
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Soil Matrix Contaminated with Thermalene 550
heat Transfer oil

Laboratory analysis provided

RECEIVED
DEC 17 1993
OIL CON. DIV. 1
DIST. 3

RECEIVED
DEC 13 1993
OIL CON. DIV. 1
DIST. 3

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Harvey R Johnson TITLE Land Farm Mgr. DATE 12/6/93

TYPE OR PRINT NAME Harvey R Johnson TELEPHONE NO. 632 0615

(This space for State Use)

APPROVED BY Danny G. Feenst TITLE Geol DATE 12/7/93

APPROVED BY Kathy Brown TITLE Geologist DATE 12/16/93

CONDITIONS OF APPROVAL, IF ANY:

Sent Santa Fe 12/3/93
Re submitted 12/13/93 with all
the lab sheets

LF2-B13

REC 12/30/93 BOL 4460

93217

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 12/27/93</i>	4. Generator <i>Holgate Oilfield Services</i>	
2. Destination <i>Landfarm #2 Hilltop, New Mexico</i>	5. Name of Originating Site <i>Holgate Oilfield Services</i>	
3. Address of Facility Operator <i>5796 US Highway 69-3014</i>	6. Name of Transporter <i>Holgate Oilfield Services</i>	
7. Location of Material (Street Address or ULSTRI) <i>201 Fredrick, Artec New Mexico</i>	8. State <i>New Mexico</i>	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

excess dried drilling Mud from down-hole drilling originally from
Bayless Northridge #1, sec 3 - T29N-R13W

RECEIVED

JAN 03 1994

OIL CON. DIV
DIST. 3

B-13

Estimated Volume 8 cy Known Volume (to be entered by the operator at the end of the haul): 9 1/2 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE Landfarm Supervisor DATE 12/27/93TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 1/3/94APPROVED BY Jim Burck TITLE Geo DATE 1/4/94

CONDITIONS OF APPROVAL, IF ANY:

LF2-B13

Rec 12/30/93
BOL 7460**ENVIROTECH INC.**

93217

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Holgate Oilfield Services
Source: excav drilling Mud-dried
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

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

X Name Robert C Holgate
X Title/Agency Holgate Oilfield Service, Inc.
X Address 201 Frederick St
Aztec, NM 87410
X Signature Robert C Holgate by SETH
X Date 12/29/93

Rec 12/30/93

BOL 4460

93217

CERTIFICATE OF WASTE TRANSPORTOriginating Location: Holgate Oilfield ServicesSource of Contamination: excess drilling mud-driedGenerator: Holgate Oilfield ServicesDisposal Location: Enviretech Soil Remediation Site,
Hilltop, New MexicoLandfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

X Name: Robert C HolgateX Company: Holgate Oilfield Service, Inc.201 Frederick StAztec, NM 87410X Signature: Robert C Holgate by [Signature]X Date: December 29, 1993

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 <i>Mal.</i>	
2. Destination <i>Envirotech Land Farm # 2</i> <i>Hill Top NM</i>	5. Name of Originating Site <i>Valverde Gas Plant</i>	
3. Address of Facility Operator <i>5796 E Hwy 64 Farmington</i>	6. Name of Transporter <i>Envirotech</i>	
7. Location of Material (Street Address or ULSTR) <i>A-14-T29N-R11W</i>	8. State <i>New Mexico</i>	
9. <u>Check One</u>		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Soil Matrix Contaminated with Thermalene 550
heat Transfer oil*

Laboratory analysis provided

RECEIVED

DEC 13 1993

OIL CON. DIV. B-19, 20

DIST. 3

Estimated Volume 30-40 cy Known Volume (to be entered by the operator at the end of the haul): 96 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Harvey R Johnson TITLE Land Farm Mgr. DATE 12/6/93

TYPE OR PRINT NAME Harvey R Johnson TELEPHONE NO. 632 0615

(This space for State Use)

APPROVED BY Danny G. Feunt TITLE Geol DATE 12/7/93

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*Sent to Santa Fe 12/3/93
Re-submitted 12/13/93 with
all the lab sheets.*

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

8796 U.S. HIGHWAY 64 • 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

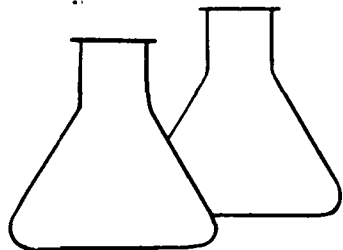
NON-EXEMPT WASTE MATERIAL

Originating Location: Valverde Plant - M.O.I.
Source: Soil Matrix contaminated with Thermalene 550
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico L.P.#2

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

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

Name Craig A. Beck
Title/Agency Assoc. Environmental
Representative
Address P.O. Box 4289, Farmington,
NM 87409-4289
Signature C. A. Beck
Date 12/7/93



ENVIROTECH LABS

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

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

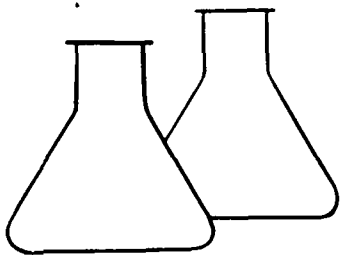
Client: Meridian Oil Inc.
Sample ID: Thermalene Contam Soil
Laboratory Number: 6437
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 92197
Date Reported: 11-15-93
Date Sampled: 11-05-93
Date Received: 11-05-93
Date Extracted: 11-10-93
Date Analyzed: 11-12-93
Analysis Requested: TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.006	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	103 %
Bromofluorobenzene	102 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Thermalene Contam Soil
Laboratory Number: 6437

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

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

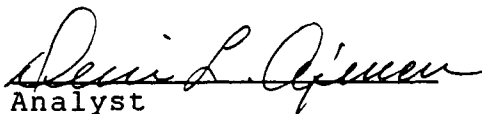
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

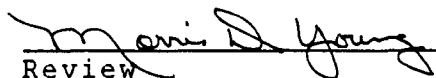
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

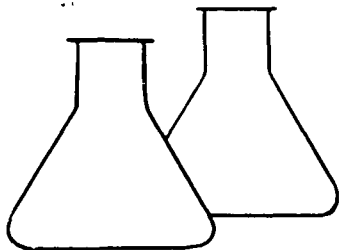
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Val Verde Plant
5-point composite from stockpiled soils


Analyst


Review



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EPA METHOD 8040 PHENOLS

Client:	Meridian Oil Inc.	Project #:	92197
Sample ID:	Thermalene Contam Soil	Date Reported:	11-17-93
Laboratory Number:	6437	Date Sampled:	11-05-93
Sample Matrix:	Soil	Date Received:	11-05-93
Preservative:	Cool	Date Extracted:	11-10-93
Condition:	Cool & Intact	Date Analyzed:	11-16-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-tribromophenol	98 %

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

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

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

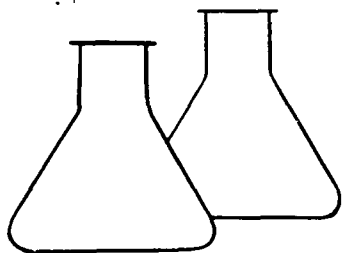
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Val Verde Plant

Shirley L. Gieser
Analyst

Morris D. Young
Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Meridian Oil Inc.	Project #:	92197
Sample ID:	Thermalene Contam Soil	Date Reported:	11-15-93
Laboratory Number:	6437	Date Sampled:	11-05-93
Sample Matrix:	Soil	Date Received:	11-05-93
Preservative:	Cool	Date Extracted:	11-10-93
Condition:	Cool and Intact	Date Analyzed:	11-15-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

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

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

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

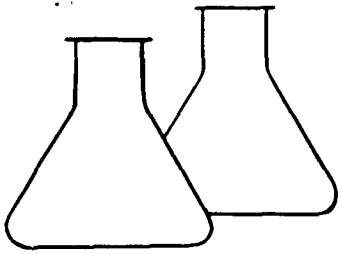
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Val Verde Plant
5-point composite from stockpiled soils

David L. Cieniewicz
Analyst

Morris D. Young
Review



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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Meridian Oil Inc.	Project #:	92197
Sample ID:	Thermalene Contam. Soil	Date Reported:	11-12-93
Laboratory Number:	6437	Date Sampled:	11-05-93
Sample Matrix:	Soil	Date Received:	11-05-93
Preservative:	Cool	Date Analyzed:	11-12-93
Condition:	Cool & Intact	Date Extracted:	11-10-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.012	0.001	5.000
BARIUM	0.2	0.1	100.0
CADMIUM	0.005	0.001	1.000
CHROMIUM	0.001	0.001	5.000
LEAD	0.012	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

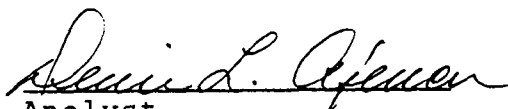
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA


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

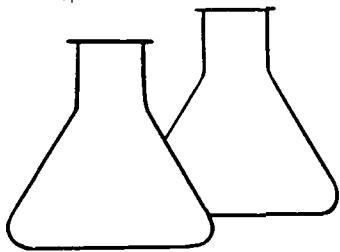
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Val Verde Plant, 5-point composite from stockpiled soils


Analyst


Review



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

RCRA CHARACTERISTICS

Client:	Meridian Oil Inc.	Project #:	92197
Sample ID:	Thermalene Contam. Soil	Date Reported:	11-12-93
Lab ID#:	6437	Date Sampled:	11-05-93
Sample Matrix:	Soil	Date Received:	11-05-93
Preservative:	Cool	Date Analyzed:	11-10-93
Condition:	Cool & Intact		

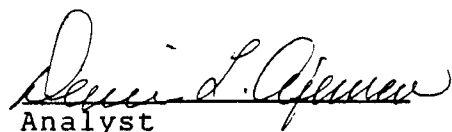
IGNITABILITY: Did not ignite upon direct contact with flame.

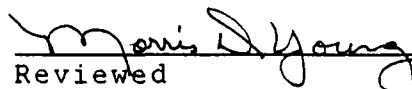
CORROSIVITY: pH of 7.88

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

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

Comments: \leq pH 2 or \geq pH 12.5 is hazardous waste.
Val Verde Plant


Analyst

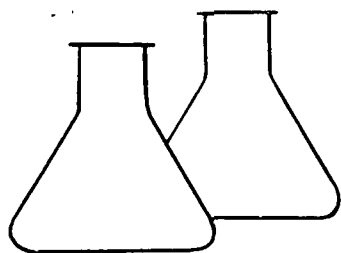

Reviewed

ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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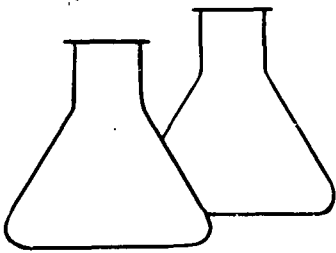
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-15-93
Laboratory Number:	1112TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-12-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.006	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	98 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 1112TCV.BLK

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

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

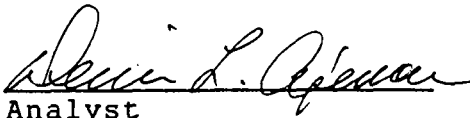
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

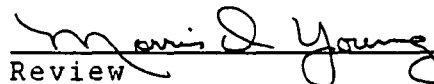
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

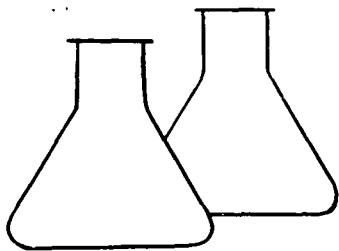
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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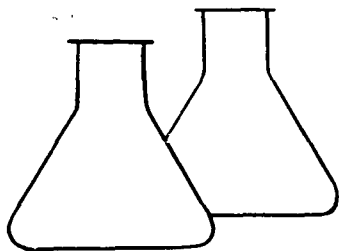
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-15-93
Laboratory Number:	1110TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	11-10-93
Condition:	Cool & Intact	Date Analyzed:	11-12-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.006	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	98 %
Bromofluorobenzene	97 %



ENVIRONMENTAL ROBOTICS LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 1110TCV.MB

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

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


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

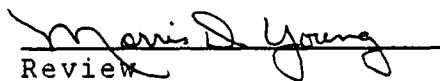
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

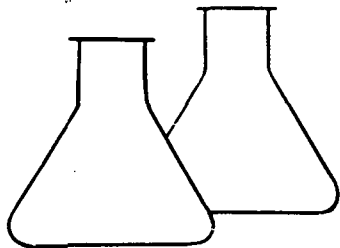
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank


Analyst


Review



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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-17-93
Laboratory Number:	1116tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-16-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	94 %

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

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

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

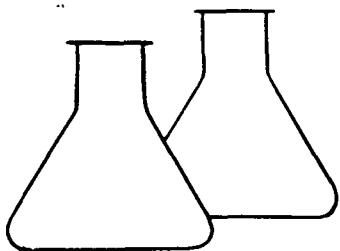
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Jensen
Analyst

Maureen D. Young
Review



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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-17-93
Laboratory Number:	1110TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	11-10-93
Condition:	Cool & Intact	Date Analyzed:	11-16-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-tribromophenol	98 %

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

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

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

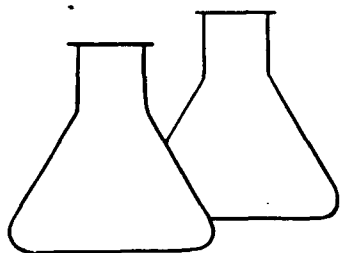
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Jensen
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-15-93
Laboratory Number:	1115tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	11-15-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

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

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

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

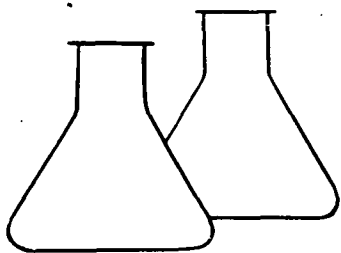
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Allen L. Pines

Monica Young



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-15-93
Laboratory Number:	1110TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	11-10-93
Condition:	Cool and Intact	Date Analyzed:	11-15-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	97 %

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

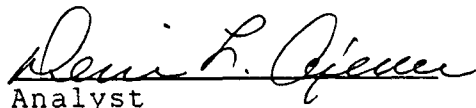
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

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

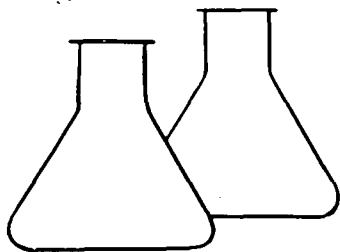
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank


Analyst


Review



ENVIROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	11-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	11-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01


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


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

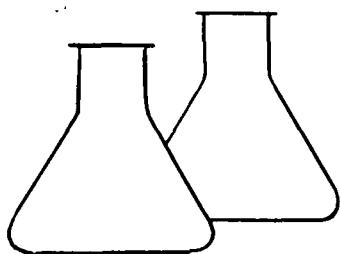
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	11-15-93
Laboratory Number:	6480STCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	11-12-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	10.6	5.2	100	28-163
2-Butanone	9.4	10.0	18.8	5.4	97	47-132
1,1-Dichloroethene	ND	10.0	11.9	7.7	91	43-143
Chloroform	ND	10.0	9.7	5.0	97	49-133
Carbon Tetrachloride	ND	10.0	11.5	6.1	92	43-143
Benzene	121.5	10.0	120.4	5.0	92	39-150
1,2-Dichloroethane	ND	10.0	9.9	5.0	99	51-147
Trichloroethene	ND	10.0	9.9	5.0	99	35-146
Tetrachloroethene	ND	10.0	9.2	5.0	92	26-162
Chlorobenzene	ND	10.0	10.0	5.0	100	38-150
1,4-Dichlorobenzene	ND	10.0	10.1	5.0	100	42-143

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

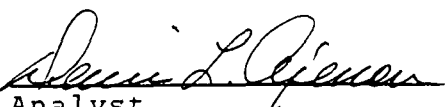
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

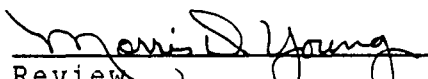
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

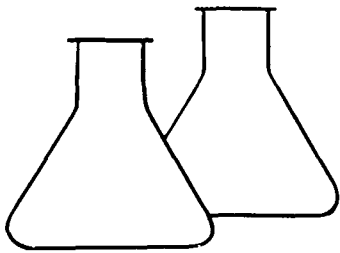
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	11-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	11-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.012	0.112	100
BARIUM	10.0	0.2	10.1	99
CADMIUM	0.100	0.005	0.105	100
CHROMIUM	0.200	0.001	0.201	100
LEAD	0.200	0.012	0.213	100
MERCURY	0.050	ND	0.051	102
SELENIUM	0.100	ND	0.098	98
SILVER	1.00	ND	0.995	100

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

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

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

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

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Green
Analyst

Marion D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name <i>MERIDIAN OR INC. / VAL VERDE PLANT</i>			Project Location <i>VAL VERDE PLANT</i>		92197 ANALYSIS/PARAMETERS								
Sampler: (Signature) <i>Robert M. Young</i>			Chain of Custody Tape No.		No. of Containers 1	TCLP VOL, SEMI-VOL, METALS, RADON CHARGES. ✓							Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>THERMALANE CONTAMINATED SOIL</i>	<i>11/05/93</i>	<i>1230</i>	<i>6437</i>	<i>SOIL</i>									<i>5-POINT COMPOSITE FROM STOCKPILED SOIL.</i>
Relinquished by: (Signature) <i>Robert M. Young</i>			Date <i>11/05/93</i>	Time <i>1300</i>	Received by: (Signature) <i>Tony Tristano</i>							Date <i>11/05/93</i>	Time <i>1400</i>
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								

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

LF2 E-13

42142

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 12/16/93</i>	4. Generator <i>PESCO</i>	
2. Destination <i>Landfarm #2, Hilltop New Mexico</i>	5. Name of Originating Site <i>PESCO</i>	
3. Address of Facility Operator <i>5796 US Hwy 64-3014 Farmington, NM 87401</i>	6. Name of Transporter <i>ENVIROTECH</i>	
7. Location of Material (Street Address or ULSTRI) <i>Process Equipment (PESCO) Farmington, NM 87401</i>	8. State <i>New Mexico</i>	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Dehydrator and Separator Solids

RECEIVED
NOV 6 1993
OIL CON. DIV.
DIST. 3.

Estimated Volume 16 cy Known Volume (to be entered by the operator at the end of the haul): 14 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LANDFARM SUPERVISOR DATE 12/16/93TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-065

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geologist DATE 12/16/93APPROVED BY Gene Brunk TITLE Gen DATE 12/17/93

CONDITIONS OF APPROVAL, IF ANY:

CERTIFICATE OF WASTE STATUSNON-EXEMPT WASTE MATERIALOriginating Location: PESCOSource: Dehy & Separator Sludge - Anaco - Meridian - AnacoDisposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

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

Name X CHARLEY TYLER

Title/Agency _____

Address _____

Signature X Charley TylerDate Dec 7th, 1993

RECEIVED
DEC 16 1993
OIL CON. DIV.
DIST. 3

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Process Equipment Service Co
Source of Contamination: Dehy & Separator Sludge
Generator: Mesidian - Amoco -
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Harry J. Phelan
Company: Envirotech

RECEIVED
DEC 16 1993
OIL CON. DIV.
DIST. 2

Signature: Harry J. Phelan
Date: 12/7/93

92187

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> ERNE BUSH 12/14/93 9:10 AM	4. Generator Western Gas Processors	
2. Destination Landfarm #2, H. Hap, NM	5. Name of Originating Site Western Gas Processors	
3. Address of Facility Operator 5796 US. Hwy 64-304, Farmington, NM 87401	6. Name of Transporter ENVIROTECH, INC	
7. Location of Material (Street Address or ULSTR) 99 Road 6500, KIRTLAND P.O. Box 70, Kirtland, NM 87117	8. State New Mexico	
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Residue Solids from gathering System

RECEIVED
DEC 15 1993
CON. DIV.
DIST. 3

E-10

Estimated Volume 3 cy Known Volume (to be entered by the operator at the end of the haul): 8 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LANDFARM SUPERVISOR DATE 12/14/93TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 95-632-0615

(This space for State Use)

APPROVED BY Denny G. Fint TITLE Geol DATE 12/15/93APPROVED BY Euro Bush TITLE Geo DATE 12/15/93

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

92187

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: 99 Road 6500, KIRLAND, NM - WESTERN GAS PROCESSORS

Source: INLET SLUDGE FROM GATHERING SYSTEM

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

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

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

Name ARLYN THORSON
Title/Agency Field Supervisor
Address P.O. Box 70 Kirland
N.M. 87412
Signature [Signature]
Date 12/14/93

ENVIROTECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: 99 Rd 6500 Kirtland, NM 87417

Source of Contamination: Inlet Sludge from gathering System

Generator: Western Gas Processors

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: SAM RAY

Company: ENVIROTECH INC

Signature: 

Date: 12/14/93

2115-03

4F2

B21, B22

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 12/03/93	4. Generator Meridian Oil Inc	
2. Destination Landfarm #2 Hilltop, New Mexico	5. Name of Originating Site McGrath #4 Sand Facility	
3. Address of Facility Operator 5796 US Hwy 64-3014, Farmington, NM 87401	6. Name of Transporter Sonco Trucking	
7. Location of Material (Street Address or ULSTR) (B) S34, T30N, R12W NUPM	8. State New Mexico	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Semi-Solid Residue from Filtration System at injection well.

RECEIVED

DEC 15 1993

CON. DIV.
DIST. 3

B-21, B-22

Estimated Volume 500 cy Known Volume (to be entered by the operator at the end of the haul): 480 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LANDFARM SUPERVISOR DATE 12/06/93TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Fent TITLE Geo DATE 12/15/93APPROVED BY Gene Burch TITLE Geo DATE 12-15-93

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

92115-03

LF2-B21
B22

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. McGrath #4 SWD
2. Volume: ~~650~~ 880 AKF
Barrels
3. Description of Waste: Filtered Sludge & Solids mixed
in a soil matrix (NO Free liquids)
4. Method of Waste Generation: Solids separation from
incoming fluids to be disposed of in an injection w
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4

Approval for Disposal

C. A. Baker
(signature)

Date 11/3/93

MOI
On Site
Representative

Transportation Company:

Sunco Trucking (880 bbls)

Date(s) Transported:

11/4 And 11/5/93

MOI Representative on Site

Bill Tucker
(signature)

Date 11/5/93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: 4th Nov 1993

Total Volume Received:

880 Barrels

Waste Location: Cell/Grid No.

H.A. 2 L.F. #2

Received By:

Harvey Johnson
(signature)

Date: 12/6/93

92117

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

RCRA Exempt: ☐ Non-Exempt: ☒
 Verbal Approval Received: Yes ☒ NO ☒ CONSERVATION DIVISION
 RECEIVED

4. Generator

EL PASO NATURAL GAS CO.

2. Destination

'93 NOV 23 AM 10 47

ENVIRONMENTAL LANDFARM #2

5. Name of Originating Site

LINDRITH PLANT

3. Address of Facility Operator

5796 US HWY 64-3014

6. Name of Transporter

EPNG

7. Location of Material (Street Address or ULSTR)

LINDRITH PLANT SE 1/4 SEC 18 T24N R05W

8. State

NM

9. Check One

Rio Arriba County.

- ☐ 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-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job.
- ☒ C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils generated from compressor engine oil spills and from non-exempt underground storage tank overfills. TESTED BY EPNG For Characteristics.

RECEIVED

NOV 2 1993

OIL CON. DIV.
DIST. ?see original submission
8/9/93

Estimated Volume 300-400 cy Known Volume (to be entered by the operator at the end of the haul): J-5 113 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE Landfarm Supervisor DATE 8-9-93

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-682-0615

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 11/3/93

APPROVED BY Roger C. Chubert TITLE Env. Bureau Chief DATE 11/29/93

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 11/3/93 Santa Fe 11/19/93 Includes better testing and environmental information. Need confirmed by Roger

92117

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NO OIL CONSERVATION DIVISION RECEIVED		4. Generator <i>EL PASO NATURAL GAS CO.</i>
2. Destination <i>ENVIRONMENTAL LANDFARM #2</i>		5. Name of Originating Site <i>LINDRITH PLANT</i>
3. Address of Facility Operator <i>5796 US HWY 64-3014</i>		6. Name of Transporter <i>EPNG</i>
7. Location of Material (Street Address or ULSTR) <i>LINDRITH PLANT SE 1/4 SEC 18 T24N R05W</i>		8. State <i>NM</i>
9. <u>Check One</u> <i>Rio Arriba County.</i> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils generated from compressor engine oil spills and from non-exempt underground storage tank overfills. TESTED BY EPNG FOR CHARACTERISTICS.

RECEIVED
NOV 2 1993
OIL CON. DIV
DIST. 2

Estimated Volume 300-400 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Robert M. Young TITLE Landfarm Supervisor DATE 8-4-93
TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 11/3/93
APPROVED BY Roger A. Anderson TITLE Env. Program Chief DATE 11/29/93

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe 11/3/93 Santa Fe 11/19/93 Includes better testing and environmental information. Need confirmed by Hogen

92117

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 <i>EL PASO NATURAL GAS CO.</i>	
2. Destination <i>ENVIRONMENTAL LANDFARM #2</i>	5. Name of Originating Site <i>LINDRITH PLANT</i>	
3. Address of Facility Operator <i>5796 US HWY 64-3014</i>	6. Name of Transporter <i>EPNG</i>	
7. Location of Material (Street Address or ULSTRI) <i>LINDRITH PLANT SE 1/4 SEC 18 T29N R05W</i>	8. State <i>NM</i>	
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils generated from compressor engine oil spills and from non-exempt underground storage tank overfills. TESTED BY EPNG for characteristics.

RECEIVED
NOV 2 1993
OIL CON. DIV.
DIST. 2

Estimated Volume 300-400 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Robert M. Young TITLE Landfarm Supervisor DATE 8-4-93
TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Fout TITLE Geologist DATE 11/3/93
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*Santa Fe
11/3/93 11/19/93*

August 5, 1993

Mr. Morris Young
Envirotech
5796 U.S. Highway 64-3014
Farmington, N.M. 87401

Subject : Oil Contaminated Soil at El Paso Natural Gas Company's Lindrith Plant

Dear Mr. Young,

El Paso Natural Gas Company (EPNG) stored approximately 300 to 400 cubic yards of oil contaminated soil at Lindrith Plant. There are two separate soil piles stored at the plant site. One soil pile is associated with cleanup of the plant area due to small compressor engine oil spills during maintenance activities. The second soil pile is associated with an overflow of an underground storage tank (UST).

The UST contains the water fraction from an aboveground scrubber liquids storage tank and liquids from the compressor basement. The scrubber liquids are "exempt" waste whereas the liquids from the basement drains are considered "nonexempt" since small amounts of engine oil may leak into the basement.

A TCLP metals, BETX by EPA Method 8020, and Ignitability test was run on both soil piles. A copy of the results is under Tab 1.

EPNG requests permission to dispose oil contaminated soil at Envirotech. Two Certification of Waste Status Forms are under Tab 2.

Please give us approval for disposal of the oil contaminated soil as soon as possible.

If you have any questions, please call me at 599-2176.

Anu Pundari
Anu Pundari
Sr. Compliance Engineer

cc: Mr. Denny Foust(NMOCD)
Mr. David Hall(EPNG)

CERTIFICATION OF WASTE STATUS

Originating Location: El Paso Natural Gas Company's Lindrith Plant
Soil Pile #1

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM
EPNG Designated Area within Envirotech's Facility

"As a condition of acceptance for disposal, I hereby certify that this waste is a mixture of "exempt" waste as defined by EPA's July 1988 Regulatory Determination and "non-exempt" waste. The soil mixture of "exempt" and "nonexempt" waste has been tested and does not meet the criteria of a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, and the soil has not been added or mixed with any other waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature: Anu Pundari

Name, Date: Anu Pundari ; 8/5/93

Company: El Paso Natural Gas

Address: P.O. Box 4990; Fmn, NM 87499

CERTIFICATION OF WASTE STATUS

Originating Location: El Paso Natural Gas Company's Lindrith Plant
Soil Pile #2

Disposal Location: Envirotech Soil Remediation Site, Hilltop, NM
EPNG Designated Area within Envirotech's Facility

"As a condition of acceptance for disposal, I hereby certify that this waste is " nonexempt" waste as defined by EPA's July 1988 Regulatory Determination. The soil has been tested and does not meet the criteria of a " hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, and the soil has not been added or mixed with any other waste in such a manner so as to make the resultant mixture a " hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature : Anu Pundari

Name, Date: Anu Pundari ; 8/5/93

Company: El Paso Natural Gas

Address: P.O. Box 4990 ; Fmn 87499



Analytical Technologies, Inc.

2709-D Pan American Freeway NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. 307322

July 28, 1993

El Paso Natural Gas Co.
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: LINDRITH POND / soil files
Attention: John Lambdin

On 07/09/93, Analytical Technologies, Inc. received a request to analyze non-aqueous samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

Due to matrix interferences, EPA Method 8080 analyses of samples N30770 and N30771 were performed at a dilution. The reporting limits have been raised accordingly.

EPA Method 8020 analyses were performed by ATI, Albuquerque.

All other analyses were performed by ATI, Phoenix.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski
Project Manager

Gregory R. Jordan
Laboratory Manager

GJ:td

Enclosure



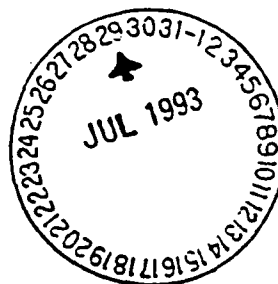
CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND

DATE RECEIVED: 07/09/93

REPORT DATE : 07/28/93

ATI I.D.: 307322

ATI #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
02	N30771 - Soil Pile #1	NON-AQ	07/08/93
03	N30772 - Soil Pile #2	NON-AQ	07/08/93



-----TOTALS-----

MATRIX	# SAMPLES
NON-AQ	3

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



ATI I.D. : 307322

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : LINDRITH POND / Soil files

DATE RECEIVED : 07/09/93

REPORT DATE : 07/28/93

PARAMETER	UNITS	01	02	03
IGNITABILITY (ATI P10.618)		NEG	NEG	NEG

(did not ignite @ 140° Forehead)

Rmy for telecommunications w/API chemist
11/18/93

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METALS RESULTS

ATI I.D. : 307322

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : LINDRITH POND / Soil Piles

DATE RECEIVED : 07/09/93

REPORT DATE : 07/28/93

PARAMETER	UNITS	01	02	03
SILVER (TCLP 1311/6010)	MG/L	<0.010	<0.010	<0.010
ARSENIC (TCLP 1311/6010)	MG/L	<0.1	<0.1	<0.1
BARIUM (TCLP 1311/6010)	MG/L	1.85	0.938	0.970
CADMIUM (TCLP 1311/6010)	MG/L	<0.005	0.007	0.006
CHROMIUM (TCLP 1311/6010)	MG/L	<0.010	<0.010	<0.010
MERCURY (TCLP 1311/7470)	MG/L	<0.0002	<0.0002	<0.0002
LEAD (TCLP 1311/6010)	MG/L	<0.10	<0.10	<0.10
SELENIUM (TCLP 1311/6010)	MG/L	<0.1	<0.1	<0.1



CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME : LINDRITH POND / Soil 9/1/85

ATI I.D. : 307322

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% RE
SILVER (IN TCLP)	MG/L	30732203	<0.010	<0.010	NA	0.967	1.00	97
ARSENIC (IN TCLP)	MG/L	30732203	<0.1	<0.1	NA	1.1	1.0	11
BARIUM (IN TCLP)	MG/L	30732203	0.970	0.944	3	1.95	1.00	98
CADMIUM (IN TCLP)	MG/L	30732203	0.006	0.007	15	0.976	1.00	97
CHROMIUM (IN TCLP)	MG/L	30732203	<0.010	<0.010	NA	0.953	1.00	95
MERCURY (IN TCLP)	MG/L	30732203	<0.0002	<0.0002	NA	0.0050	0.0050	10
LEAD (IN TCLP)	MG/L	30732203	<0.10	<0.10	NA	0.97	1.00	97
SELENIUM (IN TCLP)	MG/L	30732203	<0.1	<0.1	NA	1.1	1.0	11

Acceptable
J
7/29/83

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 307322
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND (Soil Piles)

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	N30770	NON-AQ	07/06/93	07/12/93	07/12/93	1
02	N30771	NON-AQ	07/08/93	07/12/93	07/12/93	1
03	N30772	NON-AQ	07/08/93	07/12/93	07/12/93	1

PARAMETER	UNITS	01	02	03
BENZENE	MG/KG	<0.025	<0.025	<0.025
TOLUENE	MG/KG	<0.025	<0.025	<0.025
ETHYLBENZENE	MG/KG	<0.025	<0.025	<0.025
TOTAL XYLENES	MG/KG	<0.025	<0.025	<0.025
BROMOFLUOROBENZENE (%)		73	85	82



GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST : BTEX (EPA 8020)
BLANK I.D. : 071293
CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND / Soil Piles

ATI I.D. : 307322
DATE EXTRACTED : 07/12/93
DATE ANALYZED : 07/12/93
DILUTION FACTOR: 1

PARAMETER	UNITS	
BENZENE	MG/KG	<0.025
TOLUENE	MG/KG	<0.025
ETHYLBENZENE	MG/KG	<0.025
TOTAL XYLENES	MG/KG	<0.025
BROMOFLUOROBENZENE (%)		91

Acceptable
S
7/29/93



GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : BTEX (EPA 8020)
MSMSD # : 30732201
CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND / Soil / Piles

ATI I.D. : 307322
DATE EXTRACTED: 07/12/93
DATE ANALYZED : 07/12/93
SAMPLE MATRIX : NON-AQ
REF. I.D. : 30732201
UNITS : MG/KG

PARAMETERS	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD
BENZENE	<0.025	1.0	0.88	88	0.85	85	3
TOLUENE	<0.025	1.0	0.97	97	0.93	93	4
ETHYL BENZENE	<0.025	1.0	1.0	100	0.95	95	5
TOTAL XYLENES	<0.025	3.0	2.9	97	2.7	90	7

Acceptable
JS
7/29/93



ATI I.D. : 307322

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : LINDRITH POND / *Soil files*

DATE RECEIVED : 07/09/93

REPORT DATE : 07/28/93

PARAMETER	UNITS	01	02	03
IGNITABILITY (ATI P10.618)		NEG	NEG	NEG



Analytical Technologies, Inc.

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : LINDRITH POND / Soil Piles

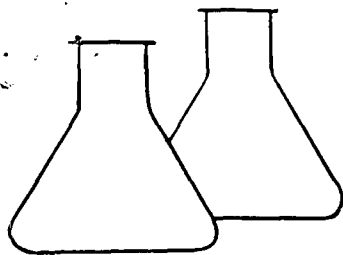
ATI I.D. : 307322

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% RE
IGNITABILITY		30732201	NEG	NEG	NA	NA	NA	NA

Acceptable
JZ
7/29/93

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 10$$



ENVIRONMENTAL ROBOTICS LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	El Paso Nat. Gas	Project #:	92117
Sample ID:	L.F. 2 J-5	Date Reported:	11-15-93
Laboratory Number:	6480	Date Sampled:	11-11-93
Sample Matrix:	Soil	Date Received:	11-11-93
Preservative:	Cool	Date Extracted:	11-11-93
Condition:	Cool & Intact	Date Analyzed:	11-12-93
		Analysis Requested:	TCLP

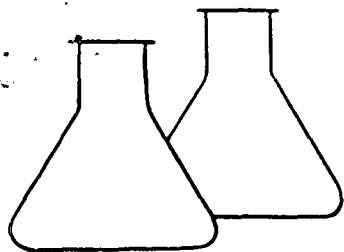
Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	0.009	0.005	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.006	0.5
Benzene	0.121	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	99 %
Bromofluorobenzene	97 %

Denny, here are
The TCLP Volatiles
You Requested last
week for the El Paso
Soils. Rob

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: L.F. 2 J-5
Laboratory Number: 6480

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

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

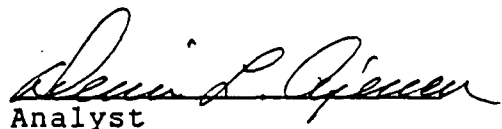
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

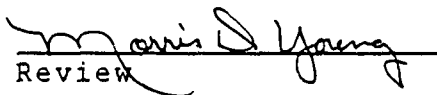
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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

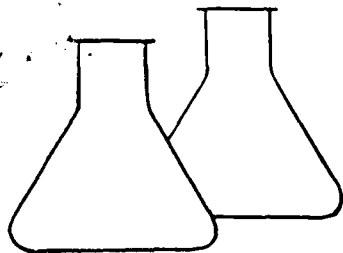
ND - Parameter not detected at the stated detection limit.

Comments: Lindreth Plant


Analyst


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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

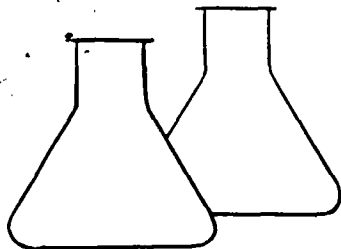
Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-15-93
Laboratory Number:	1112TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-12-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.006	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	96 %
Bromofluorobenzene	98 %

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 1112TCV.BLK

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

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

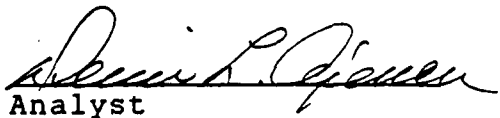
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

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

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

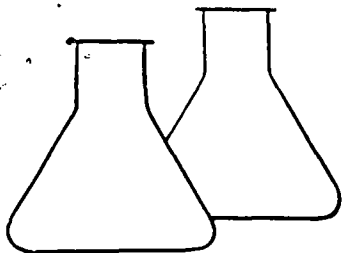
ND - Parameter not detected at the stated detection limit.

Comments:


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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

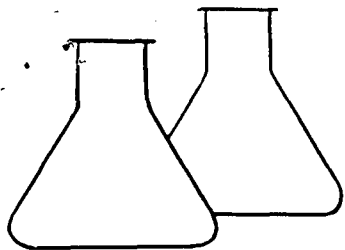
Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-15-93
Laboratory Number:	1110TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	11-10-93
Condition:	Cool & Intact	Date Analyzed:	11-12-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.005	200
1,1-Dichloroethene	ND	0.008	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.006	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	98 %
Bromofluorobenzene	97 %

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 1110TCV.MB

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

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

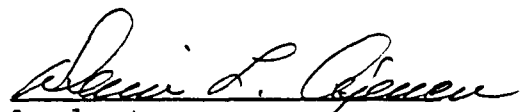
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.


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

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

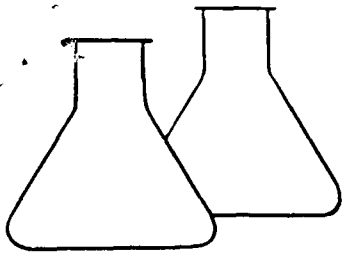
ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank


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** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	11-15-93
Laboratory Number:	6480STCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	11-12-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	10.6	5.2	100	28-163
2-Butanone	9.4	10.0	18.8	5.4	97	47-132
1,1-Dichloroethene	ND	10.0	11.9	7.7	91	43-143
Chloroform	ND	10.0	9.7	5.0	97	49-133
Carbon Tetrachloride	ND	10.0	11.5	6.1	92	43-143
Benzene	121.5	10.0	120.4	5.0	92	39-150
1,2-Dichloroethane	ND	10.0	9.9	5.0	99	51-147
Trichloroethene	ND	10.0	9.9	5.0	99	35-146
Tetrachloroethene	ND	10.0	9.2	5.0	92	26-162
Chlorobenzene	ND	10.0	10.0	5.0	100	38-150
1,4-Dichlorobenzene	ND	10.0	10.1	5.0	100	42-143

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

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

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

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

ND - Parameter not detected at the stated detection limit.

Comments:

Robert L. Grier
Analyst

Maris D. Young
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DIST. 5

3182

CHAIN OF CUSTODY RECORD

[illegible]

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

92209

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> OIL CONSERVATION DIVISION Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> RECEIVED	4. Generator Halliburton Logging	
2. Destination ENVIROTECH LANDFARM #2	5. Name of Originating Site Wash Bay Sump	
3. Address of Facility Operator 5796 US Hwy 64-3014	6. Name of Transporter	
7. Location of Material (Street Address or ULSTR) 3110 Bloomfield Highway, Farmington, NM 87401	8. State NM	
9. Check One		
<input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids produced from washing down-hole logging tools.

RECEIVED
DEC 1 1993
OIL CON. D.
DIST. 3

E-13

Estimated Volume 10 cy Known Volume (to be entered by the operator at the end of the haul): 18 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LANDFARM Supervisor DATE 11/30/93TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505 632-0615

(This space for State Use)

APPROVED BY Denny G. Faint TITLE Geologist DATE 12/1/93APPROVED BY Kathy M. Brown TITLE Geologist DATE 12/2/93

CONDITIONS OF APPROVAL, IF ANY:

sent 12/1/93

92209

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <i>Halliburton Logging</i>	
2. Destination <i>ENVIROTECH LANDFARM #2</i>	5. Name of Originating Site <i>Wash Bay Sump</i>	
3. Address of Facility Operator <i>5796 US Hwy 69-3014</i>	6. Name of Transporter	
7. Location of Material (Street Address or ULSTR) <i>3110 Bloomfield Highway, Farmington, NM 87401</i>	8. State <i>NM</i>	
9. <u>Check One</u> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Solids produced from washing down-hole logging tools.

RECEIVED
DEC 1 1993
OIL CON. DIV
DIST. 3

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Robert M. Young* TITLE *LANDFARM Supervisor* DATE *11/30/93*TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. *505 632-0615*

(This space for State Use)

APPROVED BY *Denny D. Faint* TITLE *Geol* DATE *12/1/93*

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Sent Santa Fe 12/1/93

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

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: HALLIBURTON Logging - 3110 Bloomfield Hwy, Farmington, NM

Source: WASH BAY SUMP SOLIDS

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

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

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

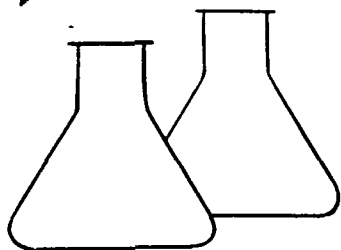
Name Steve A. Hash

Title/Agency Halliburton Energy Services

Address 3110 E. Bloomfield Hwy
Farmington, NM 87401

Signature Steve A. Hash

Date 11-30-93



ENV RO' ECH LABS

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

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

Client:	Halliburton Logging	Project #:	92204
Sample ID:	Wash Bay Solids	Date Reported:	11-22-93
Laboratory Number:	6515	Date Sampled:	11-16-93
Sample Matrix:	Solids	Date Received:	11-16-93
Preservative:	Cool	Date Extracted:	11-18-93
Condition:	Cool and Intact	Date Analyzed:	11-22-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromochloromethane	105 %
	Bromofluorobenzene	102 %

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

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

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

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

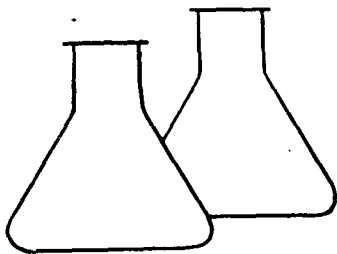
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3110 Bloomfield Highway

David L. Spencer
Analyst

Maris D. Young
Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	Halliburton Logging	Project #:	92204
Sample ID:	Wash Bay Solids	Date Reported:	11-24-93
Laboratory Number:	6515	Date Sampled:	11-16-93
Sample Matrix:	Soil	Date Received:	11-16-93
Preservative:	Cool	Date Extracted:	11-18-93
Condition:	Cool & Intact	Date Analyzed:	11-24-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	81 %

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

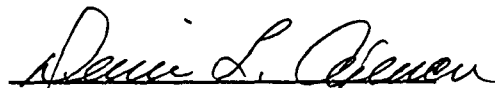
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

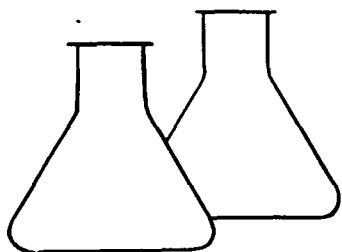
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3110 Bloomfield Highway


Analyst


Review



ENV RO TECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Halliburton Logging	Project #:	92204
Sample ID:	Wash Bay Solids	Date Reported:	11-23-93
Laboratory Number:	6515	Date Sampled:	11-16-93
Sample Matrix:	Soil	Date Received:	11-16-93
Preservative:	Cool	Date Extracted:	11-18-93
Condition:	Cool and Intact	Date Analyzed:	11-23-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	105 %

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

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

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

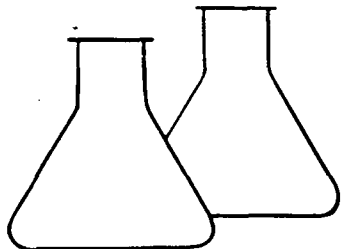
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3110 Bloomfield Highway

Daniel L. Jensen
Analyst

Marisa D. Young
Review



ENVIRONMENTAL LABS

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

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Halliburton Logging	Project #:	92204
Sample ID:	Wash Bay Solids	Date Reported:	11-22-93
Laboratory Number:	6515	Date Sampled:	11-16-93
Sample Matrix:	Solids	Date Received:	11-16-93
Preservative:	Cool	Date Analyzed:	11-22-93
Condition:	Cool & Intact	Date Extracted:	11-18-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.010	0.001	5.000
BARIUM	1.5	0.1	100.0
CADMIUM	0.028	0.001	1.000
CHROMIUM	0.001	0.001	5.000
LEAD	0.365	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	0.002	0.001	1.000
SILVER	ND	0.01	5.00

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

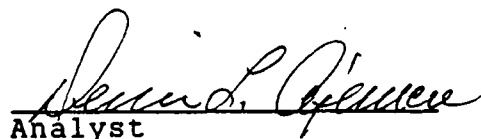
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

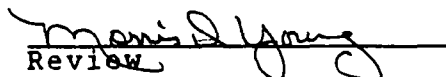
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

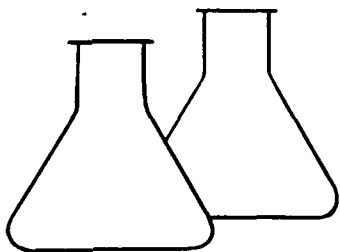
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3110 Bloomfield Highway


Analyst


Review



ENV ROTECH LABS

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

RCRA CHARACTERISTICS

Client:	Halliburton Logging	Project #:	92204
Sample ID:	Wash Bay Solids	Date Reported:	11-18-93
Lab ID#:	6515	Date Sampled:	11-16-93
Sample Matrix:	Solids	Date Received:	11-16-93
Preservative:	Cool	Date Analyzed:	11-18-93
Condition:	Cool & Intact		

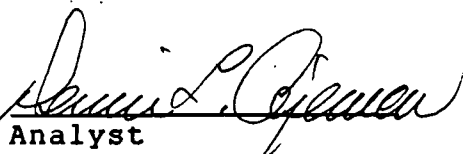
IGNITABILITY: Did not ignite upon direct contact with flame.

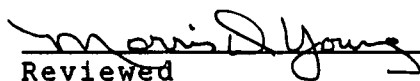
CORROSIVITY: pH of 7.18

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

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

Comments: \leq pH 2 or \geq pH 12.5 is hazardous waste.
3110 Bloomfield Highway


Analyst

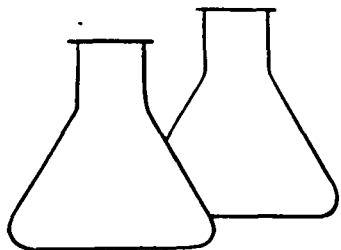

Reviewed

ENVIROTECH LABORATORIES

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIRONMENTAL LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-22-93
Laboratory Number:	1122TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-22-93

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromochloromethane	107 %
	Bromofluorobenzene	102 %

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

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

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

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

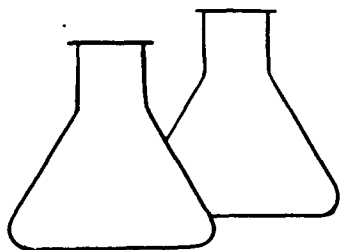
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Gorman
Analyst

Marie D. Young
Review



ENV RO TECT LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-24-93
Laboratory Number:	1124tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-24-93
Condition:	NA	Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	103 %

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

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

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

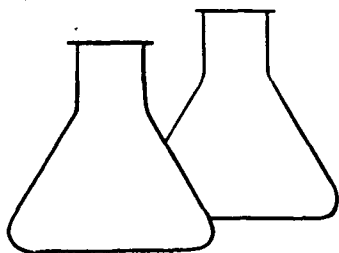
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. O'Connell
Analyst

Morgan D. Young
Review



ENV RO' ECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-23-93
Laboratory Number:	1123tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	11-23-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	107 %

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

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

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

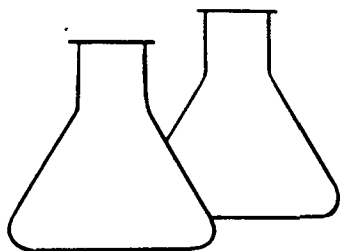
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Giesler
Analyst

Maria D. Young
Review



ENV RO' EC I LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	11-22-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	11-22-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

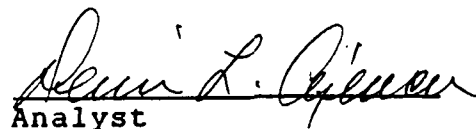
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

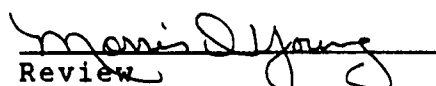
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

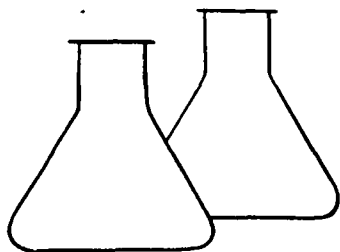
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENV ROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-22-93
Laboratory Number:	1118TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	11-18-93
Condition:	Cool and Intact	Date Analyzed:	11-22-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromochloromethane	96 %
	Bromofluorobenzene	102 %

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

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

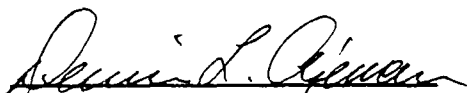
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

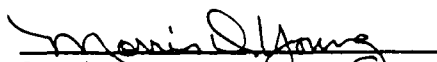
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

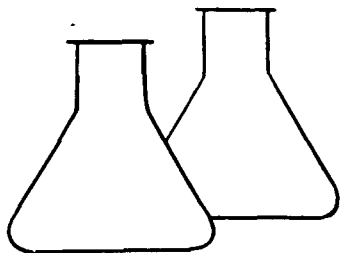
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-24-93
Laboratory Number:	1118TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	11-18-93
Condition:	Cool & Intact	Date Analyzed:	11-24-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	104 %
	2,4,6-tribromophenol	90 %

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

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

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

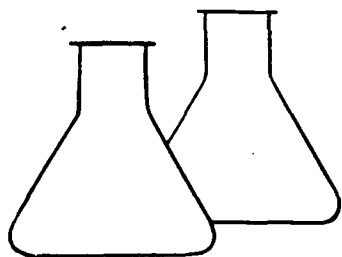
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

[Signature]
Analyst

[Signature]
Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-23-93
Laboratory Number:	1118TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	11-18-93
Condition:	Cool and Intact	Date Analyzed:	11-23-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	105 %

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

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

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

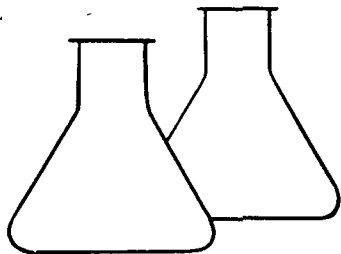
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Dennis L. Osmer
Analyst

Marion D. Young
Review



ENV RO' ECH LABS

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

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	11-22-93
Laboratory Number:	11-18-MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Analyzed:	11-22-93
Condition:	Cool & Intact	Date Extracted:	11-18-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

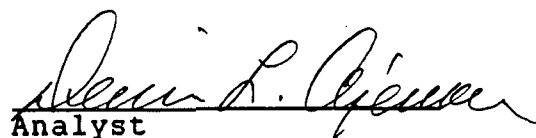
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

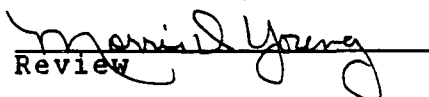
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

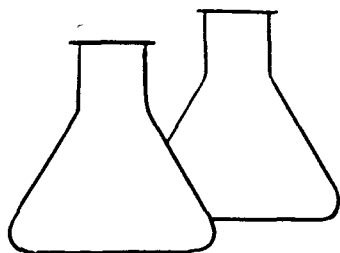
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENV RO TECH LABS

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

** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	11-22-93
Laboratory Number:	6515STCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	11-22-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	9.7	5.5	92	28-163
2-Butanone	ND	10.0	13.2	5.8	92	47-132
1,1-Dichloroethene	ND	10.0	10.4	5.0	100	43-143
Chloroform	ND	10.0	9.6	5.0	96	49-133
Carbon Tetrachloride	ND	10.0	9.7	5.0	97	43-143
Benzene	ND	10.0	11.1	5.2	101	39-150
1,2-Dichloroethane	ND	10.0	10.3	5.0	103	51-147
Trichloroethene	ND	10.0	10.2	5.0	102	35-146
Tetrachloroethene	ND	10.0	14.2	5.2	97	26-162
Chlorobenzene	ND	10.0	9.5	5.0	95	38-150
1,4-Dichlorobenzene	ND	10.0	9.8	5.0	97	42-143

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

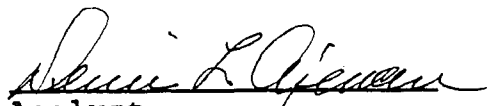
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992

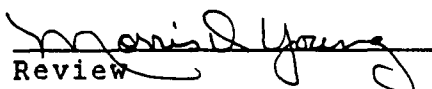
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

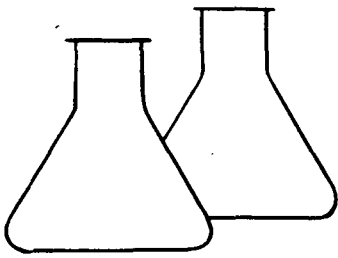
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	11-22-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	11-22-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	0.018	0.118	100
BARIUM	10.0	0.4	10.4	100
CADMIUM	0.050	0.012	0.062	100
CHROMIUM	0.100	0.004	0.105	101
LEAD	0.100	0.127	0.227	100
MERCURY	0.025	ND	0.023	92
SELENIUM	0.100	0.002	0.101	99
SILVER	1.00	ND	1.01	101

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

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

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

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

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin P. Gibson
Analyst

Maris D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name MILLBURN LOGGING #92204			Project Location 3110 BLOOMFIELD HIGHWAY		ANALYSIS/PARAMETERS							
Sampler: (Signature) R. E. O'Neil			Chain of Custody Tape No. -		No. of Containers 1	TCLP ✓						Remarks NO PEST/HERBS
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
WASH BAY SOLIDS	11-16-93	1120	6515	SOLIDS								
Relinquished by: (Signature) R. E. O'Neil			Date 11-16-93	Time 1150	Received by: (Signature) Tony Tintano						Date 11/16/93	Tin 1200
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

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

san juan repro Form 578-81

CERTIFICATE OF WASTE TRANSPORTOriginating Location: Halliburton Logging Services, 3110 Bloomfield Highway, Farmington, NMSource of Contamination: WASH BAY SOLIDSGenerator: HALLIBURTON Logging ServicesDisposal Location: Envirotech Soil Remediation Site,
Hilltop, New MexicoLandfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Harvey JohnsonCompany: ENVIROTECH INC5746 US Hwy 64-3014, Farmington, NMSignature: HARVEY JohnsonDate: 12/13/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 11/03/93	4. Generator	Meridian Oil Inc
2. Destination LAUSFARM #2 Hilltop, New Mexico	5. Name of Originating Site	McGrath #4 SWD Facility
3. Address of Facility Operator 5796 US Hwy 64-3014 Farmington, NM 87401	6. Name of Transporter	Sunco Trucking
7. Location of Material (Street Address or ULSTR) (B) S34, T30N, R12W NMPM	8. State	New Mexico
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Semi-Solid Residue from Filtration System at injection Well.

RECEIVED

NOV 18 1993

OIL CON. DIV. A 18, 19, 20
DIST. 3 B 18, 19

Estimated Volume 880 cy Known Volume (to be entered by the operator at the end of the haul): 880 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LAUSFARM Supervisor DATE 11/03/93

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geol DATE 11/18/93

APPROVED BY Ernie Busch TITLE Geol DATE 11/23/93

CONDITIONS OF APPROVAL, IF ANY:

92115-03

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. McGrath #4 SWD
2. Volume: ~~650~~ 880 ARF
Cubic Yards Barrels Gallons
3. Description of Waste: Filtered Sludge & Solids mixed
in a soil matrix (no free liquids)
4. Method of Waste Generation: Solids separation from
incoming fluids to be disposed of in an injection well
5. Disposal Cost: _____
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4

Approval for Disposal:

signature

Date 11/3/23

MOI
On Site
Representative

Transportation Company:

Junco Trucking (880 bbl/s)

Date(s) Transported:

11/4 And 11/5/93

MOI Representative on Site

Bill Tucker
signature)

Date 11/5/93

Envirotech
Complete and
return to
Mendian
Safety and
Environmental
with invoice.

Date(s) Received: 4th Nov 1993

4~~4~~5 Nov 1993

Total Volume Received:

880 Barrels

Waste Location : Cell/Grid No.

H.A. 2 L.F. #2

Received By :

Harvey R. Johnson
(signature)

signature

LF #2 A18, A19, A20, B18, B19 92115-03

ENVIROTECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: MCGRATH FACILITY
Source of Contamination: INJECTION Well Filtration Semi-Solids
Generator: Meridian OIL INC
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Ken Chapman

Company: Junco Trucking

Signature: Ken Chapman

Date: 4 November 1993

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: MCGRATH FACILITY
Source of Contamination: Injection Well Filtration Semi-Solids
Generator: Meridian Oil INC
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Ernest Valdez

Company: Seneca Trucking

Signature: x Ernest Valdez

Date: _____

LF2-A22

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 Foost 11/15/93</i>	4. Generator <i>Meridian Oil Inc.</i>	
2. Destination <i>Envirotech Land Farm #2</i>	5. Name of Originating Site <i>Valverde Plant</i>	
3. Address of Facility Operator <i>Hilltop New Mexico</i>	6. Name of Transporter <i>Envirotech</i>	
7. Location of Material (Street Address or ULSTR) <i>Valverde Plant - M.O.I.</i>	8. State <i>New Mexico</i>	
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Charcoal Filter Medium**- Continuation of Previously Approved Material*

RECEIVED
 NOV 18 1993
 OIL CON. DIV
 DIST. 3

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Harvey R Johnson TITLE Land Farm Mgr DATE 11/15/93TYPE OR PRINT NAME Harvey R Johnson TELEPHONE NO. 632 0615

(This space for State Use)

APPROVED BY Denny G. Foost TITLE Geol DATE 11/18/93APPROVED BY Emil Bunch TITLE Geol DATE 11/23/93

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

Safety and
Environmental

1. Waste Location: Lease/Well No. Val verde Gas Plant
2. Volume: 8 Cubic Yards Barrels _____ Gallons _____
3. Description of Waste: Activated Carbon, Charcoal Filter
Media for DEA
4. Method of Waste Generation: DEA Filtration system (spent
Carbon)
5. Disposal Cost: \$16 / yd
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

(signature)

Date 11/12/93

MOI
Representative

Transportation Company: Envirotech

Date(s) Transported: 11-15-93

MOI Representative on Site

(signature)

Date 11-15-93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with Invoice.

Date(s) Received: 11/15/93

Total Volume Received: 8 yds

Waste Location: Cell/Grid No. A-20

Received By: Harry Person

(signature)

LF2-D12

9/21/99

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 11/04/93</i>	4. Generator <i>UNDCAL</i>	
2. Destination <i>Landfarm #2 Hilltop New Mexico</i>	5. Name of Originating Site <i>Rincon #166</i>	
3. Address of Facility Operator <i>5796 US Hwy 64-3014 Farmington, NM 87401</i>	6. Name of Transporter <i>INLAND</i>	
7. Location of Material (Street Address or ULSTR) <i>Rincon #166</i>	8. State <i>NM</i>	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Recirculated Packer fluid from down-hole in Rincon #166.
Temporarily stored on site, awaiting OGD approval to transport.
TCLP showed fluid to be non-hazardous (voluntarily analyzed by client)*

RECEIVED
NOV 19 1993
OIL CON. DIV.
DIST. 3

Estimated Volume 160 cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE LANDFARM SUPERVISOR DATE 11/03/93

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Foust TITLE Geologist DATE 11/19/93

APPROVED BY Ernie Bush TITLE Geol DATE 11/19/93

CONDITIONS OF APPROVAL, IF ANY:

Unocal Oil & Gas Divls.
Unocal Corporation
900 Werner Court, P.O. Box 2620
Casper, Wyoming 82602-2620
Telephone (307) 234-1563



November 2, 1993

Mr. Robert Young
Envirotech, Inc.
5796 U. S. Highway 64-3014
Farmington, NM 87401

RE: Chem-pak fluid in Rincon Unit Well #166

Dear Mr. Young:

In April of 1965, El Paso Natural Gas Co. (who was at that time the Operator of Rincon Unit #166) placed 80 bbl of chem-pak fluid in the annulus of Rincon #166 (between the 2" tubing and the 4 1/2" casing) as a packer fluid.

During recompletion operations in October, 1993, Union Oil Company of California (the present operator) circulated out the 80 bbls of chem-pak fluid to a steel holding tank. Samples of the fluid were taken and Envirotech Inc. of Farmington performed the necessary test to determine if the fluid would be classified as a "hazardous waste."

At present the fluid is still being stored on location in the steel holding tank.

Sincerely,

A handwritten signature in dark ink, appearing to read "Jim Benson", written over a horizontal line.

Jim Benson
Drilling Superintendent

c:\Envirote.1tr

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: UNOCAL RINCON #166

Source: INVERT MUD PACKER FLUID

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

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

I, the undersigned as the agent for the Union Oil Co. of California concur with the status of the waste from the subject site.

Name Jim Benson

Title/Agency Drilling Superintendent

Address P.O. Box 2620
Casper, WY. 82602

Signature Jim Benson

Date Nov. 2, 1993

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

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: Rincon Unit #166
Source: Invert Mud
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

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

Name W.E. McKinney
Title/Agency DRUG CONSULTANT
Address 3382 E ADLER WAY
SALT LAKE CITY, UT 84121
Signature W.E. McKinney
Date 10-23-93

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Unocal Rincon #166

Source of Contamination: Packer Fluids

Generator: Unocal

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico

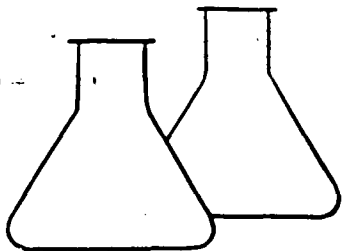
Landfarm #1 _____ Landfarm #2 X H.A.2

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Wilfred Bigelow
Company: Chief Transport

Signature: _____

Date: 5 Nov 1991



ENVIRONMENTAL ABS

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

RCRA CHARACTERISTICS

Client:	UNOCAL	Project #:	92199
Sample ID:	ChemPak #1	Date Reported:	10-05-93
Lab ID#:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	Cool	Date Analyzed:	10-05-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 10.23

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

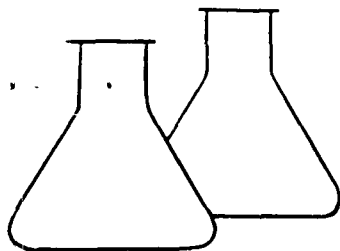
Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

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

Rincon Unit #166

A. Chabert
Analyst

Morris D. Young
Reviewed



ENVIROTECH LABS

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

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

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-14-93
Laboratory Number:	6253	Date Sampled:	10-13-93
Sample Matrix:	Liquid	Date Received:	10-13-93
Preservative:	Cool	Date Extracted:	10-13-93
Condition:	Cool and Intact	Date Analyzed:	10-13-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	0.012	0.005	0.2
2-Butanone	ND	0.015	200
1,1-Dichloroethene	ND	0.009	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	0.036	0.006	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	0.013	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromfluorobenzene	97 %

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

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

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

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

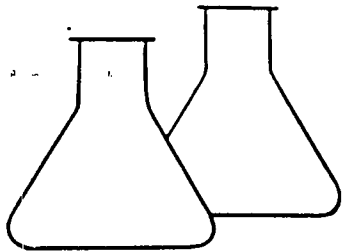
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166

Kevin L. Jensen
Analyst

Mavis D. Young
Review



ENVIRONMENTAL LABS

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

EPA METHOD 8040 PHENOLS

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-08-93
Laboratory Number:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-tribromophenol	98 %

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

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

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

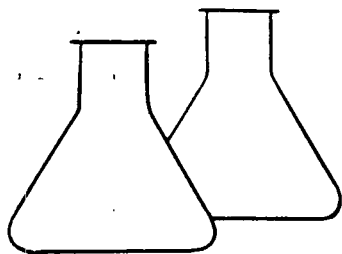
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166
Sample received in uncleaned, re-used plastic bottles

Shirley L. Cline
Analyst

Marie D. Young
Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-08-93
Laboratory Number:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	None	Date Extracted:	10-04-93
Condition:	See Comments	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	95 %

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

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

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

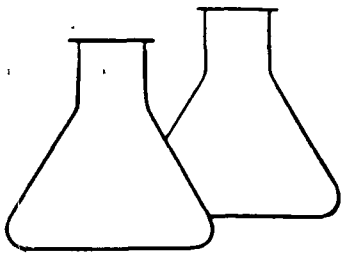
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166
Sample received in uncleaned re-used plastic bottles

Paul L. Jensen
Analyst

Marisa D. Young
Review



ENV ROTECH LABS

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

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-12-93
Laboratory Number:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	None	Date Analyzed:	10-12-93
Condition:	See Comment	Date Extracted:	10-04-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	0.007	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

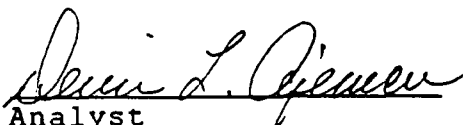
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

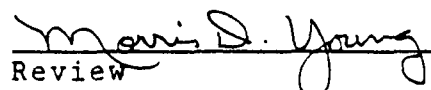
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

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

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166
Sample received in re-used, uncleaned bottles.


Analyst

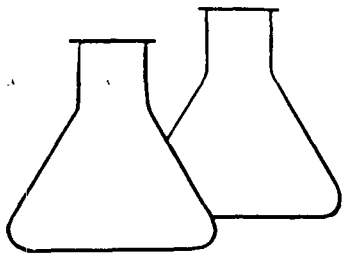

Review

ENVIROTECH LABORATORIES

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FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



E. V. ROYCE LABS

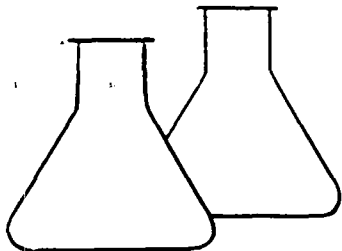
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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-07-93
Laboratory Number:	1013TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-13-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.015	200
1,1-Dichloroethene	ND	0.009	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.006	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromfluorobenzene	107 %



ENVIRONMENTAL LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 1013TCV.BLK

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

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

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

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

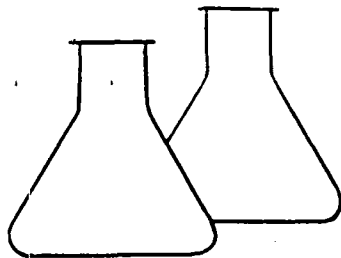
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Devin L. Brewer
Analyst

Mavis D. Young
Review



ENVIRONMENTAL ROBOTICS LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1008tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-08-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	96 %

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

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

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

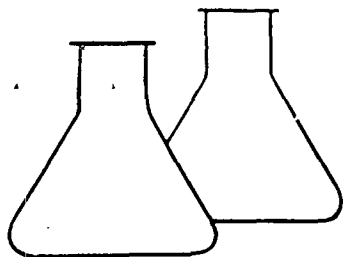
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

David L. Pinner
Analyst

Marion D. Young
Review



ENV RO TECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1007tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	93 %

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

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

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

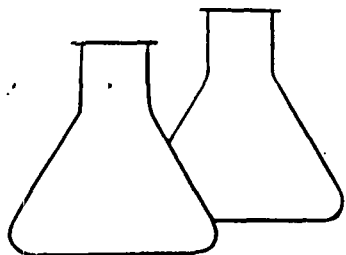
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

David L. Cline
Analyst

Maria D. Young
Review



ENV RO TECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	10-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	10-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

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

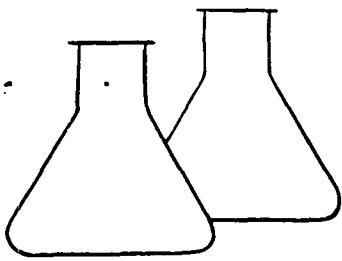
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Gienew
Analyst

Marion D. Young
Review



ENV RO' ECH LABS

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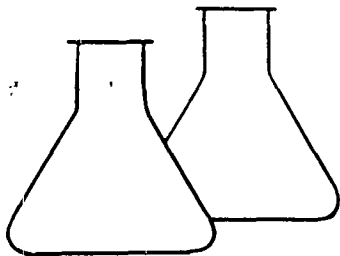
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-06-93
Laboratory Number:	1004TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-05-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromofluorobenzene	103 %



ENVIROTECH LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 1004TCV.MB

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

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

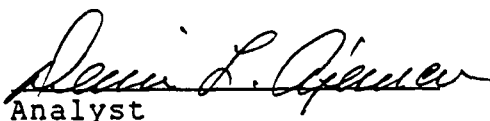
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

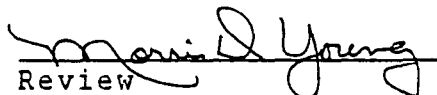
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

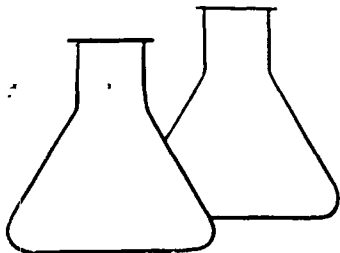
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENV RO TECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	1004TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	106 %
	2,4,6-tribromophenol	108 %

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

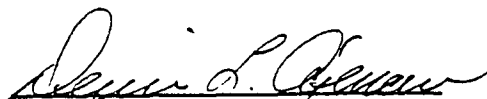
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

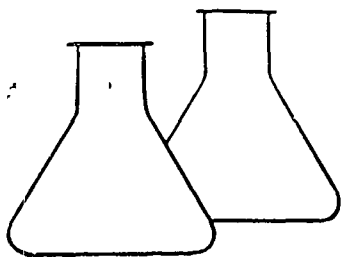
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENV RO TECH LABS

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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	1004TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool and Intact	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

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

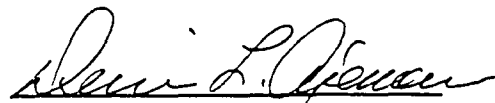
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

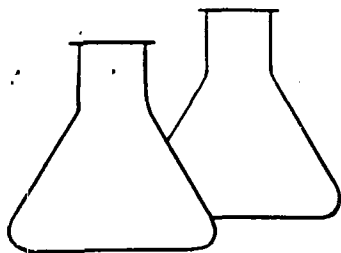
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-12-93
Laboratory Number:	1004MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Analyzed:	10-12-93
Condition:	Cool & Intact	Date Extracted:	10-04-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

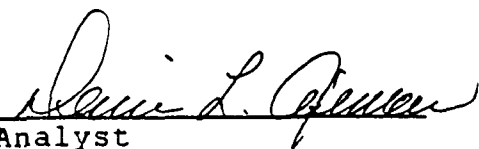
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

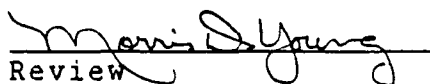
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

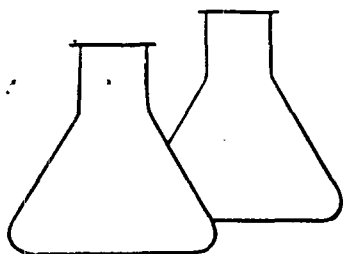
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Procedure Method Blank


Analyst


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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	10-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	10-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.099	99
BARIUM	10.0	0.2	10.2	100
CADMIUM	0.100	0.006	0.106	100
CHROMIUM	0.200	0.001	0.202	101
LEAD	0.200	0.005	0.204	99
MERCURY	0.025	0.002	0.026	96
SELENIUM	0.100	ND	0.097	97
SILVER	1.00	ND	0.974	97

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

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

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

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

ND - Parameter not detected at the stated detection limit.

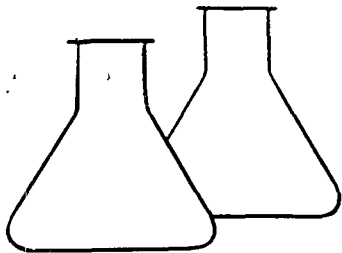
Comments:

Shirley L. Grewer
Analyst

Maris D. Young
Review

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 1013TCV.BLK

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

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

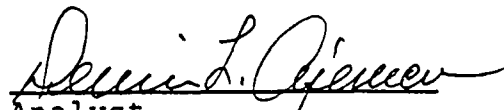
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.


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

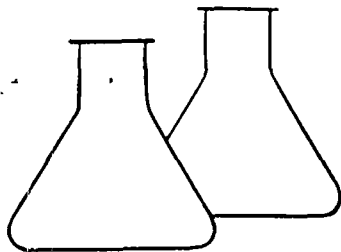
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-14-93
Laboratory Number:	6253	Date Sampled:	10-13-93
Sample Matrix:	Liquid	Date Received:	10-13-93
Preservative:	Cool	Date Extracted:	10-13-93
Condition:	Cool and Intact	Date Analyzed:	10-13-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	0.012	0.005	0.2
2-Butanone	ND	0.015	200
1,1-Dichloroethene	ND	0.009	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	0.036	0.006	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	0.013	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromfluorobenzene	97 %

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

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

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

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

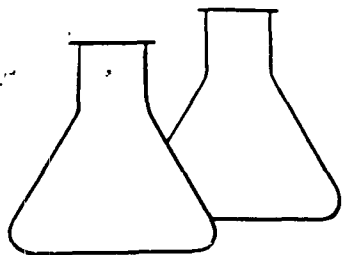
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166

Devin L. Jensen
Analyst

Morris D. Young
Review



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EPA METHOD 8040 PHENOLS

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-08-93
Laboratory Number:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	101 %
	2,4,6-tribromophenol	98 %

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

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

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

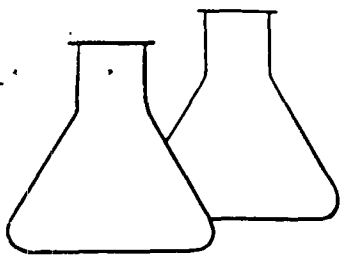
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166
Sample received in uncleaned, re-used plastic bottles

Analyst

Review



ENV RO' ECH LABS

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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-08-93
Laboratory Number:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	None	Date Extracted:	10-04-93
Condition:	See Comments	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	95 %

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

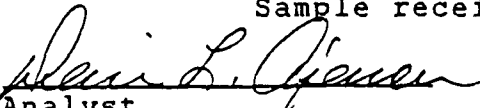
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

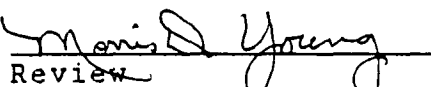
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986

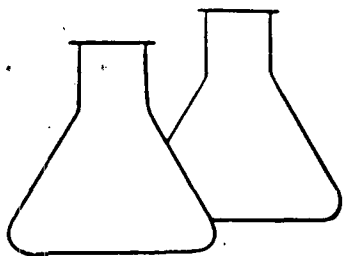
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166
Sample received in uncleaned re-used plastic bottles


Analyst


Review



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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Unocal	Project #:	92199
Sample ID:	Chempak #1	Date Reported:	10-12-93
Laboratory Number:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	None	Date Analyzed:	10-12-93
Condition:	See Comment	Date Extracted:	10-04-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	0.007	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

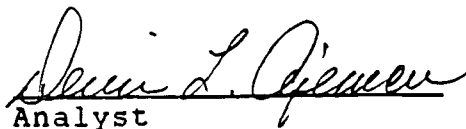
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

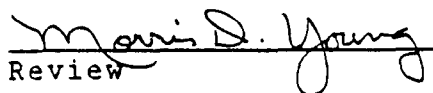
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

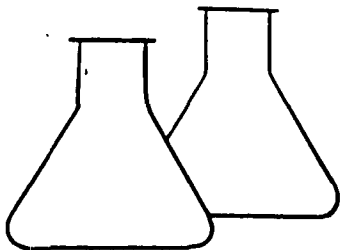
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166
Sample received in re-used, uncleaned bottles.


Analyst


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RCRA CHARACTERISTICS

Client:	UNOCAL	Project #:	92199
Sample ID:	ChemPak #1	Date Reported:	10-05-93
Lab ID#:	6253	Date Sampled:	10-02-93
Sample Matrix:	Liquid	Date Received:	10-02-93
Preservative:	Cool	Date Analyzed:	10-05-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 10.23

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

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

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

Rincon Unit #166

An Chaharlang
Analyst

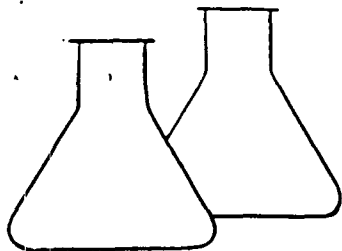
Maris D. Young
Reviewed

ENVIROTECH LABORATORIES

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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENV RO TECH LABS

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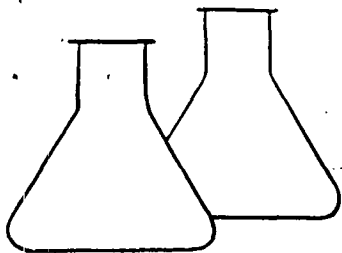
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-07-93
Laboratory Number:	1013TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-13-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.015	200
1,1-Dichloroethene	ND	0.009	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.006	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromfluorobenzene	107 %



ENVIRONMENTAL LABS

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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1008tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-08-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	96 %

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

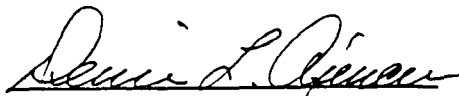
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

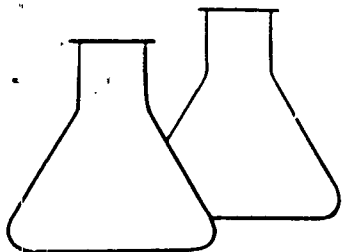
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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ENV RO' ECH LABS

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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1007tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	93 %

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

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

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

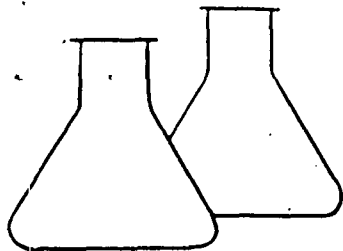
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Daniel L. Jensen
Analyst

Marion D. Young
Review



ENV RO TECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	10-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	10-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

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

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

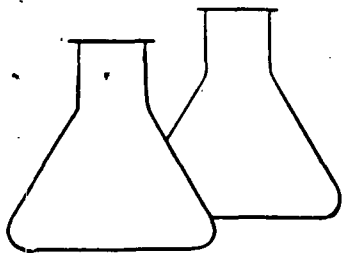
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

David L. Ciemiec
Analyst

Marie D. Young
Review



ENV RO TECH LABS

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

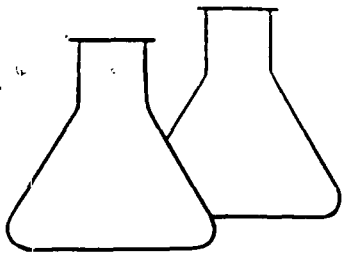
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-06-93
Laboratory Number:	1004TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-05-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromofluorobenzene	103 %



ENV RO TECH LABS

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

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 1004TCV.MB

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

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

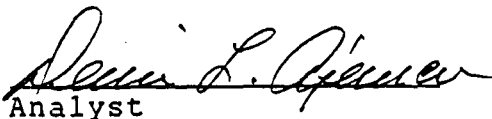
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

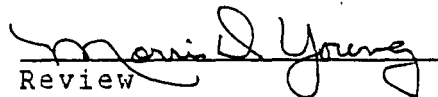
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

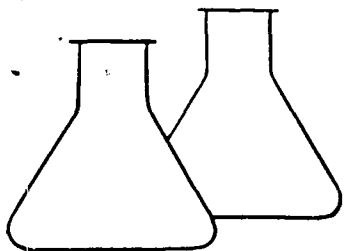
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	1004TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	106 %
	2,4,6-tribromophenol	108 %

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

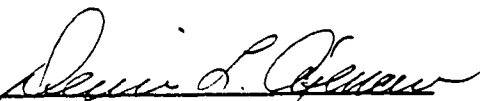
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

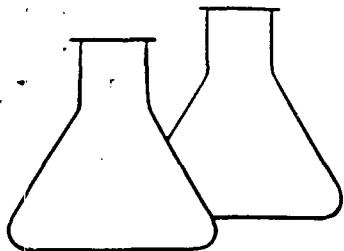
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIRONMENTAL LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	1004TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool and Intact	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

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

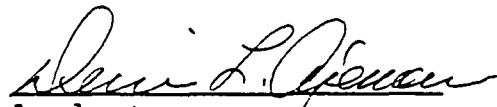
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

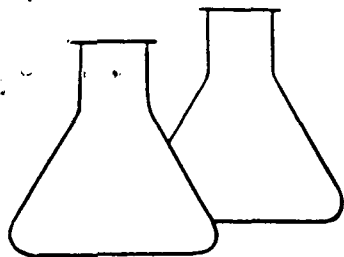
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIRONMENTAL LABS

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

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-12-93
Laboratory Number:	1004MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Analyzed:	10-12-93
Condition:	Cool & Intact	Date Extracted:	10-04-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

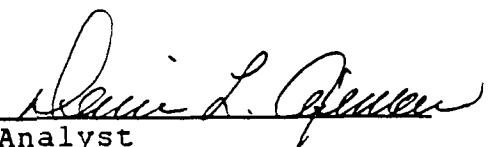
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

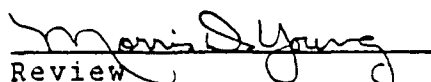
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

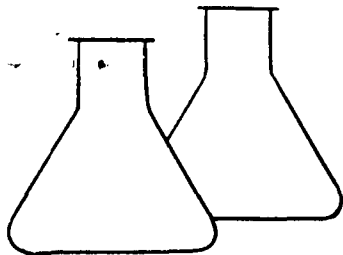
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Procedure Method Blank


Analyst


Review



ENV RO TECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	10-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	10-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.099	99
BARIUM	10.0	0.2	10.2	100
CADMIUM	0.100	0.006	0.106	100
CHROMIUM	0.200	0.001	0.202	101
LEAD	0.200	0.005	0.204	99
MERCURY	0.025	0.002	0.026	96
SELENIUM	0.100	ND	0.097	97
SILVER	1.00	ND	0.974	97

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

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

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

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

ND - Parameter not detected at the stated detection limit.

Comments:

Shirley L. Grew
Analyst

Mavis D. Young
Review

3072.

[illegible]

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 11/01/93 Denny Faust	4. Generator Meridian Oil INC	
2. Destination Landfarm #2 Cell A-22 Hilltop, NM	5. Name of Originating Site Val Verde Plant	
3. Address of Facility Operator 5796 US Hwy 64-3019 Farmington, NM 87401	6. Name of Transporter ENVIROTECH	
7. Location of Material (Street Address or ULSTR) 101A Rd 4937 Bloomfield, NM 87413	8. State	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

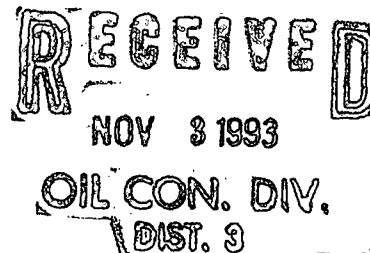
Contaminated Filter Media so- disposal at Landfarm #2 under

Previous Authorization. Deliveries Expected to be as follows

11/01/93 25 cubic yards

11/02/93 10 cubic yards

Material is to be placed and thin-spread immediately upon Receipt at Landfarm #2.



Estimated Volume 35 cy Known Volume (to be entered by the operator at the end of the haul): 35 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE Landfarm Supervisor DATE 11/02/93

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Faust TITLE Geol DATE 11/4/93

APPROVED BY Ernie Bush TITLE Geol DATE 11-3-93

CONDITIONS OF APPROVAL, IF ANY:

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: 101 A Rd 4937 Bloomfield, NM 87413
Source of Contamination: Contaminated Filter Media - DCD EXEMPT
Generator: Meridian Oil Inc. - Val Verde Plant
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: RAY WOMACK

Company: ENVIROTECH INC

5796 US Hwy 64-3014 Farmington, NM 87401

Signature: 

Date: 10/02/93

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

92197

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 25 Cubic Yards ☒ Barrels ☐ Gallons
3. Description of Waste: Charcoal filter media
4. Method of Waste Generation: gas processing filter wastes
5. Disposal Cost: \$16/yd.
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

(signature)

Date 10-26-93

MOI
On Site
Representative

Transportation Company: Envirotech

Date(s) Transported: 11-1-93

MOI Representative on Site

(signature)

Date 11-1-93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: 1 Nov 93

Total Volume Received: 25 yds

Waste Location: Cell/Grid No. A-22

Received By:

(signature)

Envirotech Exempt Waste Manifest 92197
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Gas Plant
2. Volume: 10 Cubic Yards Barrels Gallons
3. Description of Waste: Charcoal (activated) for DEA
Filtration.
4. Method of Waste Generation: DEA Filter medium for
val verde plant.
5. Disposal Cost: \$16140
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

C. A. Back
(signature)

Date 11/1/93

MOI
On Site
Representative

Transportation Company: Envirotech

Date(s) Transported: 11-2-93

MOI Representative on Site

Best Gaudin
(signature)

Date 11-2-93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: 3 Nov 93

Total Volume Received: 10 yds.

Waste Location: Cell/Grid No. A-22

Received By:

Harold J. Jansen
(signature)

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 10/26/93	4. Generator Meridian Oil Inc	
2. Destination ENVIROTECH INC LANDFARM #2	5. Name of Originating Site Val Verde Plant	
3. Address of Facility Operator 5796 U.S. Highway 64-3014	6. Name of Transporter ENVIROTECH INC	
7. Location of Material (Street Address or ULSTR) Bloomfield, NM	8. State New Mexico	
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Charcoal Filter Media (USED)
- Continuation

RECEIVED
NOV 1/1993
CALIFORNIA
11/1/93

Estimated Volume 25 cy Known Volume (to be entered by the operator at the end of the haul): 25 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Robert M. Young TITLE Landfarm Supervisor DATE 10/26/93

TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geol DATE 11/2/93

APPROVED BY Ernie Bunch TITLE Geol DATE 11-2-93

CONDITIONS OF APPROVAL, IF ANY:

92197

Envirotech Exempt Waste Manifest

Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 2425 Cubic Yards ☒ Barrels _____ Gallons _____
3. Description of Waste: charcoal filter media
4. Method of Waste Generation: CS Plus and TEG
filtration
5. Disposal Cost: \$16 / yd plus transport
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

(signature)

Date _____

MOI
On Site
Representative

Transportation Company: EnvirotechDate(s) Transported: 10-26-93

MOI Representative on Site

(signature)

Date 10-26-93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: 10/26/93Total Volume Received: 25 ydsWaste Location: Cell/Grid No. A-22

Received By: _____

(signature)

Roger Ander

93172-19

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator MOBIL OIL	
2. Destination ENVIROTECH SOIL REMEDIATION FACILITY, HUNTER, NM	5. Name of Originating Site IGNACIO 33-7 #15	
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM	6. Name of Transporter ENVIROTECH INC.	
7. Location of Material (Street Address or ULSTR) NE/SE SEC 32, T33N, R7W, N4PM	8. State COLORADO	
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM
EARTHEN COMPRESSOR/SEPARATOR PIT.

RECEIVED
OCT 14 1993
OIL CON. DIV
DIST. 3

Landfarm II

0-12

98

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

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Verl Farnsworth TITLE Const Supt DATE 10-7-93TYPE OR PRINT NAME Verl Farnsworth TELEPHONE NO. 505-632-0615

(This space for State Use)

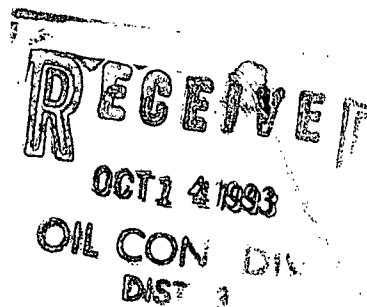
APPROVED BY Denny G. Faut TITLE Geologist DATE 10/14/93APPROVED BY Kathy Brown TITLE Geologist DATE 10/18/93

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <u>MOTIL OIL</u>	
2. Destination <u>ENVIROTECH SOIL REMEDIATION FACILITY, HUNTER, NM</u>	5. Name of Originating Site <u>IGNACIO 33-7 #15</u>	
3. Address of Facility Operator <u>5796 US Hwy 64-3014, FARMINGTON, NM</u>	6. Name of Transporter <u>ENVIROTECH INC.</u>	
7. Location of Material (Street Address or ULSTR) <u>NE/SE SEC 32, T33N, R7W, N4PM</u>	8. State <u>COLORADO</u>	
9. <u>Check One</u> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM
ENTHED COMPRESSOR/SEPARATOR PIT.



Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.
 SIGNATURE Verl Farnsworth TITLE Const Supt DATE 10-7-93
 TYPE OR PRINT NAME Verl Farnsworth TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Fent TITLE Geologist DATE 10/14/93
 APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe
10/14/93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: MOBIL OIL, IGNACIO 33-7 #15, LA PLATA COUNTY, CO
Source: COMPRESSOR / DRY EARTH PIT
Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

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

I, the undersigned as the agent for the MOBIL E&P U.S. Inc. concur with the status of the waste from the subject site.

Name PETE W. RICHARDSON

Title/Agency ENVIRONMENTAL & REGULATORY
ENGINEERING ADVISOR

Address 12453 GREENBROOK
HOUSTON, TX 77060

Signature Peter W. Richardson

Date 10-6-93



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY
P.O. BOX 315
IGNACIO, COLORADO 81137

IN REPLY REFER TO:

SEP 14 1993

Peter W. Richardson, Environmental/Regulatory
Mobil Exploration & Producing U.S. Inc.
Houston Division
12450 Greenspoint Drive
Houston, Texas 77060-1991

Re: Disposal of Contaminated Oilfield
Materials from Locations within
the Boundary of the Southern Ute
Indian Reservation.

Gentlemen:

This letter is to authorize the removal and treatment of materials from well locations, as outlined on the attached exhibit, operated by Mobil Exploration & Producing U.S. Inc., on the Southern Ute Indian Reservation.

It is understood that you are presently testing each site to determine which will need remediation. Prior to any soils being removed from any site the necessary test data will need to be provided to both the Tribe and the State of New Mexico. Per the regulations of the New Mexico Oil conservation Commission, you will need to verify these materials have been laboratory tested for hazardous characteristics; ignitability, corrosivity, reactivity, and toxicity and found to be non-hazardous. The materials should be considered as non-hazardous oilfield waste and not subject to the restrictions placed upon listed or characteristic hazardous wastes.

All test data should be forwarded to the Southern Ute Environmental Office for their review. Your procedures for testing and handling of materials should comply with those currently outlined by BLM, New Mexico, regulations. You will also need to comply with any stipulations imposed by the Southern Ute Tribe.

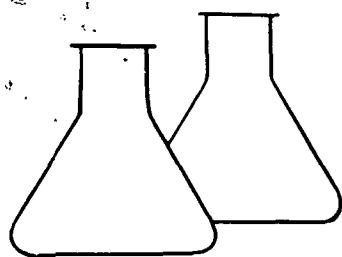
If you have any questions, please contact our Realty Office (303) 563-4514.

Sincerely

Eileen Candelaria

Superintendent

Eileen



ENVIROTECH LABS

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

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

Client:	Mobil Oil	Project #:	93172-19
Sample ID:	Composite 3'-4'	Date Reported:	10-07-93
Laboratory Number:	6170	Date Sampled:	09-22-93
Sample Matrix:	Soil	Date Received:	09-22-93
Preservative:	Cool	Date Extracted:	10-05-93
Condition:	Cool and Intact	Date Analyzed:	10-07-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.008	0.2
2-Butanone	ND	0.009	200
1,1-Dichloroethene	ND	0.010	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromfluorobenzene	105 %

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

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

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

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

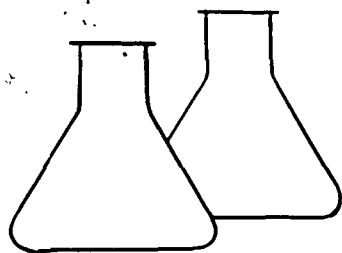
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Ignacio 33-7 #15 Dehydrator Pit

Ignacio L. Cisneros
Analyst

Morris D. Young
Review



ENV RO' TECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	Mobil Oil	Project #:	93172-19
Sample ID:	Composite	Date Reported:	10-08-93
Laboratory Number:	6170	Date Sampled:	09-22-93
Sample Matrix:	Soil	Date Received:	09-22-93
Preservative:	Cool	Date Extracted:	10-05-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	100 %
	2,4,6-tribromophenol	103 %

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

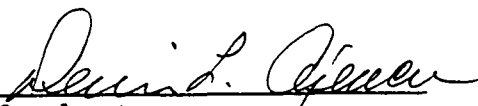
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

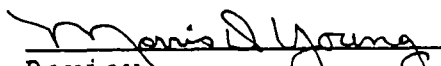
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

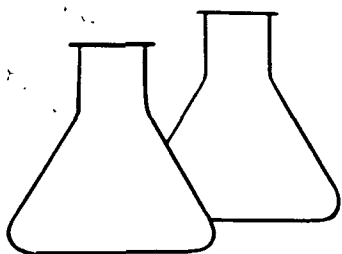
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Ignacio 33-7 #15 Dehydrator Pit


Analyst


Review



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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Mobil Oil	Project #:	93172-19
Sample ID:	Composite	Date Reported:	10-08-93
Laboratory Number:	6170	Date Sampled:	09-22-93
Sample Matrix:	Soil	Date Received:	09-22-93
Preservative:	Cool	Date Extracted:	10-05-93
Condition:	Cool and Intact	Date Analyzed:	10-07-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	ND	0.020	5.0
Hexachloroethane	0.042	0.020	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	95 %

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

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

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

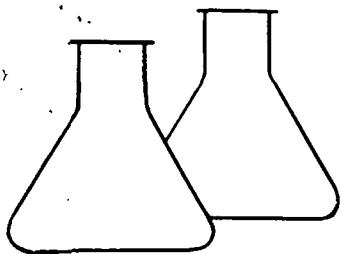
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Ignacio 33-7 #15 Dehydrator Pit
Composite 3' - 4'

Kevin L. Jensen
Analyst

Maris D. Young
Review



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

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Mobil Oil	Project #:	93172-19
Sample ID:	Composite 3'-4'	Date Reported:	10-12-93
Laboratory Number:	6170	Date Sampled:	09-22-93
Sample Matrix:	Soil	Date Received:	09-22-93
Preservative:	Cool	Date Analyzed:	10-12-93
Condition:	Cool & Intact	Date Extracted:	10-05-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	0.001	0.001	5.000
BARIUM	1.2	0.1	100.0
CADMIUM	0.004	0.001	1.000
CHROMIUM	0.001	0.001	5.000
LEAD	0.019	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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

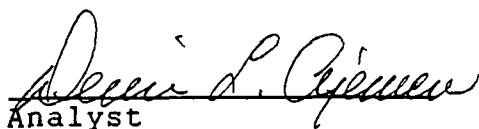
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

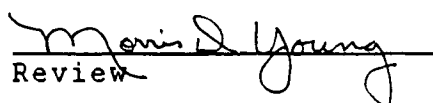
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

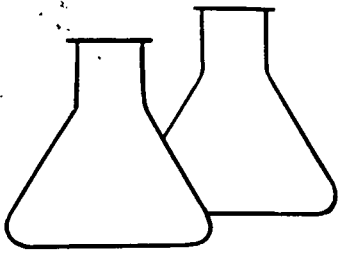
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Ignacio 33-7 #15 Dehydrator Pit


Analyst


Review



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

RCRA CHARACTERISTICS

Client:	Mobil Oil	Project #:	93172-19
Sample ID:	3'-4' Comp.	Date Reported:	10-13-93
Lab ID#:	6170	Date Sampled:	09-22-93
Sample Matrix:	Soil	Date Received:	09-22-93
Preservative:	Cool	Date Analyzed:	10-13-93
Condition:	Cool & Intact		

IGNITABILITY: Did not ignite upon direct contact with flame.

CORROSIVITY: pH of 8.04

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

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

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

Ignacio 33-7 #15, Dehydrator Pit.

An Chaharling
Analyst

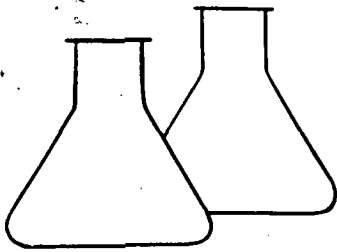
Marion D Young
Reviewed

ENVIROTECH LABORATORIES

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	tpsb0923	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	09-23-93
Preservative:	N/A	Date Reported:	09-23-93
Condition:	N/A	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	5.0

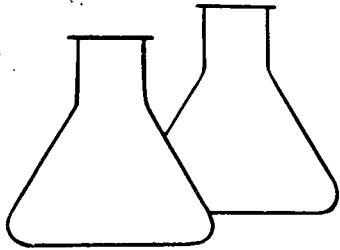
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and
Waste, USEPA Storet No.4551, 1978

Comments:

Chaharling
Analyst

Mani Young
Review



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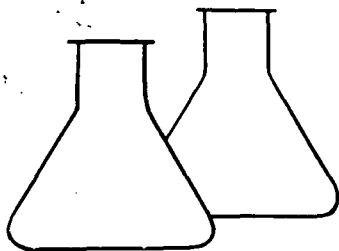
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-07-93
Laboratory Number:	1007TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-07-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.008	0.2
2-Butanone	ND	0.009	200
1,1-Dichloroethene	ND	0.010	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromfluorobenzene	108 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 1007TCV.BLK

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

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

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

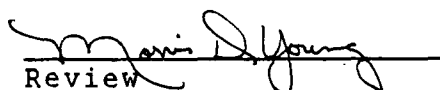
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

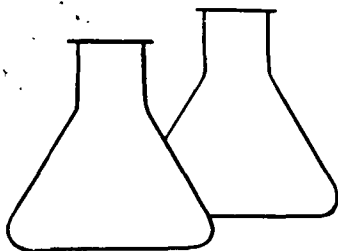
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1008tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-08-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	96 %

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

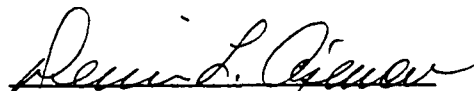
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

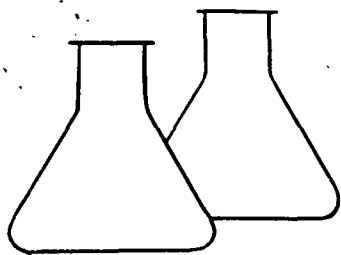
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1007tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	93 %

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

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

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

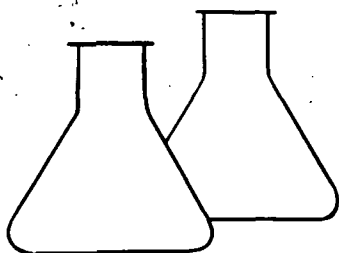
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Gorman
Analyst

Marion D. Young
Review



ENVIROTECH LABS

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

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

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	10-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	10-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

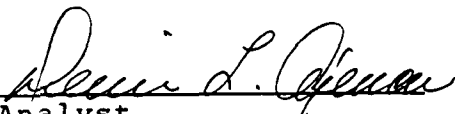
Method: Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

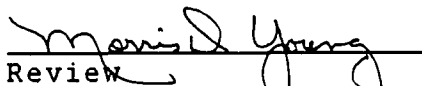
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

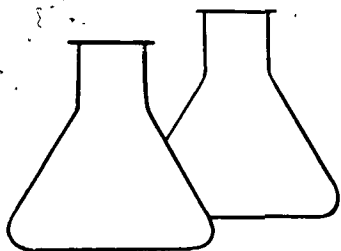
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

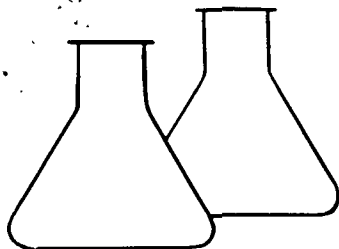
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-06-93
Laboratory Number:	1004TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-05-93
		Analysis Requested:	TCLP

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

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromofluorobenzene	103 %



ENVIRONMENTAL TECH LABS

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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 1004TCV.MB

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

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

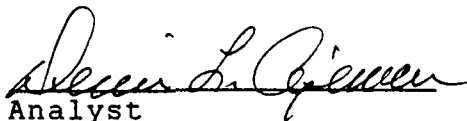
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

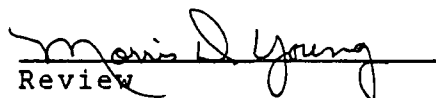
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

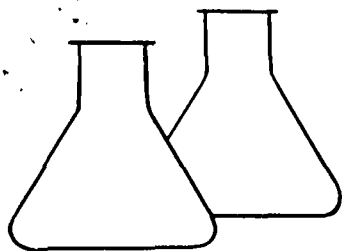
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	1004TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	106 %
	2,4,6-tribromophenol	108 %

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

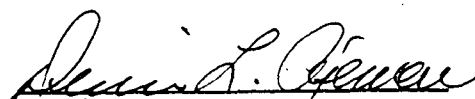
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.


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

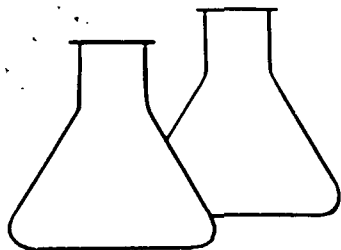
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIRONMENTAL CHEMISTRY LABS

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

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	1004TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool and Intact	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	98 %

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

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

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

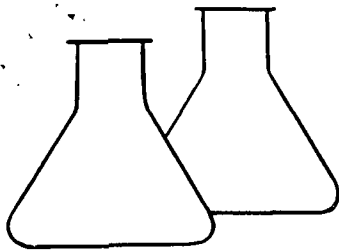
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Ciemer
Analyst

Maris D. Young
Review



ENVIROTECH LABS

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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-12-93
Laboratory Number:	1004MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Analyzed:	10-12-93
Condition:	Cool & Intact	Date Extracted:	10-04-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

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


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


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

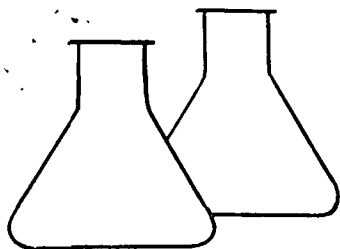
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Procedure Method Blank


Analyst


Review



ENVIROTECH LABS

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

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QA/QC - DUPLICATE ANALYSIS

Client:	N/A	Project #:	N/A
Sample ID:	QA/QC Duplicate	Date Sampled:	N/A
Laboratory Number:	0923DUP	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	09-23-93
Preservative:	Cool	Date Reported:	09-23-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Duplicate	Original	Difference
-----	-----	-----	-----
Total Petroleum Hydrocarbons	14,500	14,900	3 %

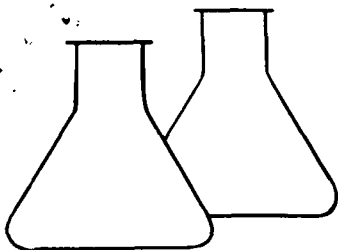
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments:

Ch. Chaharlang
Analyst

Marie D. Young
Review



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** QUALITY ASSURANCE EPA METHODS 8010/8020
MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	10-07-93
Laboratory Number:	6170-S-TCV.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	10-07-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	11.7	7.7	106	28-163
2-Butanone	ND	10.0	16.2	8.6	92	47-132
1,1-Dichloroethene	ND	10.0	10.0	9.7	95	43-143
Chloroform	ND	10.0	9.3	5.0	93	49-133
Carbon Tetrachloride	ND	10.0	9.1	5.0	91	43-143
Benzene	ND	10.0	11.6	5.1	105	39-150
1,2-Dichloroethane	ND	10.0	9.4	5.0	94	51-147
Trichloroethene	ND	10.0	9.1	5.0	91	35-146
Tetrachloroethene	ND	10.0	13.8	5.5	102	26-162
Chlorobenzene	ND	10.0	10.2	5.0	102	38-150
1,4-Dichlorobenzene	ND	10.0	10.3	5.0	103	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992

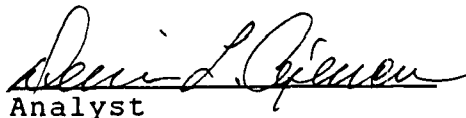
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992

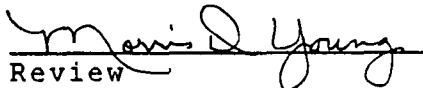
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

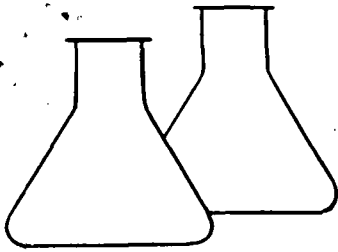
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENV RO' TECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	10-12-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	10-12-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.099	99
BARIUM	10.0	0.2	10.2	100
CADMIUM	0.100	0.006	0.106	100
CHROMIUM	0.200	0.001	0.202	101
LEAD	0.200	0.005	0.204	99
MERCURY	0.025	0.002	0.026	96
SELENIUM	0.100	ND	0.097	97
SILVER	1.00	ND	0.974	97

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Clemen
Analyst

Morris D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name MOBIL OIL # 93172			Project Location DETH. PIT 16NACLO 33-7 #15		ANALYSIS/PARAMETERS * 93172-19							
Sampler: (Signature) R. E. O'Neil			Chain of Custody Tape No.		No. of Containers	418.1	BTEX	TCLP				Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
T1 @ 5'	9-22-93	1222	6169	SOIL	1	✓	✓					RUSH
3'-4' comp.	9-22-93	1225	6170	SOIL	1			✓				run as per Myletune 10/6/93 HOLD TT
Relinquished by: (Signature) R. E. O'Neil			Date 9-22-93	Time 1558	Received by: (Signature) A. Chaharbay			Date 9-22-93	Time 1558			
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

san juan repro Form 578-81

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

93172-19

CERTIFICATE OF WASTE TRANSPORT

Originating Location: IGNACIO 33-7 #15, NE 1/4, S32, T33N, R7W, N44W

Source of Contamination: DEHY / COMPRESSOR PIT

Generator: MOBIL OIL

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico

Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: MICHAEL K. LAWE

Company: ENVIROTECH INC.

Signature: [Signature]

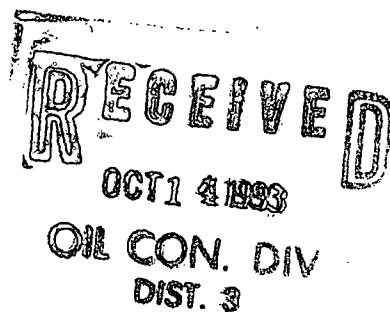
Date: 10/20/93

Roger Ave son

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> OIL CONSERVATION DIVISION Verbal Approval Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> RECEIVED	4. Generator Mobil Oil	
2. Destination ENVIROTECH SOIL REMEDIATION FACILITY, HUNTER, NM	5. Name of Originating Site So. Ute 24-10	
3. Address of Facility Operator 5796 US Hwy 64-3014, FARMINGTON, NM	6. Name of Transporter ENVIROTECH Inc.	
7. Location of Material (Street Address or ULSTR) SE/SW SEC. 10, T32N, R7W, NMAP	8. State Colorado	
9. Check One <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOILS FROM
EARTHEN COMPRESSOR / SEP. PIT.



Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): D-12
40 cy
I hereby certify that the information above is true and complete to the best of my knowledge and belief.
SIGNATURE Verl Farnsworth TITLE Const Supt DATE 8-29-93
TYPE OR PRINT NAME Verl Farnsworth TELEPHONE NO. 505-632-0615

(This space for State Use)

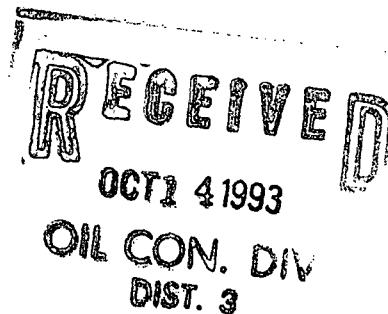
APPROVED BY Denny G. Fount TITLE Geologist DATE 10/14/93
APPROVED BY Kathy Brown TITLE Geologist DATE 10/10/93

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input type="checkbox"/> No <input type="checkbox"/>	4. Generator <u>Mobil Oil</u>	
2. Destination <u>ENVIROTECH SOIL REMEDIATION FACILITY, HILTOP, NM</u>	5. Name of Originating Site <u>So. Ute 24-10</u>	
3. Address of Facility Operator <u>5796 US Hwy 64-3014, Farmington, NM</u>	6. Name of Transporter <u>Envirotech Inc.</u>	
7. Location of Material (Street Address or ULSTR) <u>SE/4 SW SEC. 10, T32N, R7W, NMAP</u>	8. State <u>Colorado</u>	
9. <u>Check One</u> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input checked="" type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOILS FROM
EARTHEN COMPRESSOR / SEP. PIT.



Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): _____ cy
 I hereby certify that the information above is true and complete to the best of my knowledge and belief.
 SIGNATURE Verl Farnsworth TITLE Const Supt DATE 8-29-93
 TYPE OR PRINT NAME Verl Farnsworth TELEPHONE NO. 505-632-0615

(This space for State Use)
 APPROVED BY Denny G. Fount TITLE Geologist DATE 10/14/93
 APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Santa Fe
10/14/93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: MOBIL OIL, SO. UTE 24-10, LA RATA CANY, CO

Source: COMPRESSOR / DEHY EARTH PIT

Disposal Location: Envirotech Soil Remediation Facility. (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the MOBIL E&P U.S. Inc.
concur with the status of the waste from the subject site.

Name PETE W. RICHARDSON

Title/Agency ENVIRONMENTAL & REGULATORY
ENGINEERING ADVISOR

Address 12450 GREENS POINT
HOUSTON, TX 77060

Signature Peter W. Richardson

Date 10-6-93



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY
P.O. BOX 315
IGNACIO, COLORADO 81137

IN REPLY REFER TO:

SEP 14 1993

Peter W. Richardson, Environmental/Regulatory
Mobil Exploration & Producing U.S. Inc.
Houston Division
12450 Greenspoint Drive
Houston, Texas 77060-1991

Re: Disposal of Contaminated Oilfield
Materials from Locations within
the Boundary of the Southern Ute
Indian Reservation.

Gentlemen:

This letter is to authorize the removal and treatment of materials from well locations, as outlined on the attached exhibit, operated by Mobil Exploration & Producing U.S. Inc., on the Southern Ute Indian Reservation.

It is understood that you are presently testing each site to determine which will need remediation. Prior to any soils being removed from any site the necessary test data will need to be provided to both the Tribe and the State of New Mexico. Per the regulations of the New Mexico Oil conservation Commission, you will need to verify these materials have been laboratory tested for hazardous characteristics; ignitability, corrosivity, reactivity, and toxicity and found to be non-hazardous. The materials should be considered as non-hazardous oilfield waste and not subject to the restrictions placed upon listed or characteristic hazardous wastes.

All test data should be forwarded to the Southern Ute Environmental Office for their review. Your procedures for testing and handling of materials should comply with those currently outlined by BLM, New Mexico, regulations. You will also need to comply with any stipulations imposed by the Southern Ute Tribe.

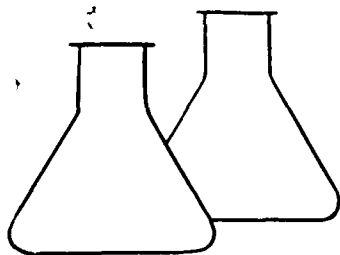
If you have any questions, please contact our Realty Office (303) 563-4514.

Sincerely

Edna Candelaria

Superintendent

Edna



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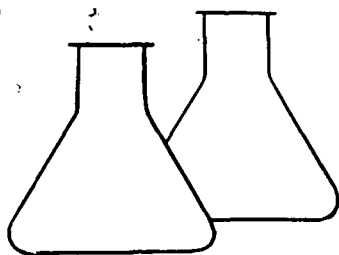
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	Mobil Oil	Project #:	93172-15
Sample ID:	Composite	Date Reported:	09-29-93
Laboratory Number:	6133	Date Sampled:	09-17-93
Sample Matrix:	Soil	Date Received:	09-17-93
Preservative:	Cool	Date Extracted:	09-22-93
Condition:	Cool & Intact	Date Analyzed:	09-29-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.009	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	100 %
Bromofluorobenzene	92 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Composite
Laboratory Number: 6133

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

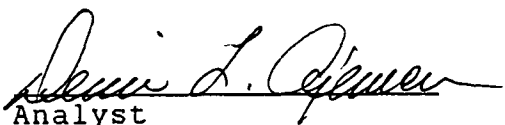
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

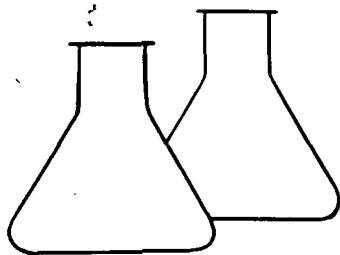
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 24-10 Separator/Compressor Pit


Analyst


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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040 PHENOLS

Client:	Mobil Oil	Project #:	93172-15
Sample ID:	Composite	Date Reported:	10-08-93
Laboratory Number:	6133	Date Sampled:	09-17-93
Sample Matrix:	Soil	Date Received:	09-17-93
Preservative:	Cool	Date Extracted:	09-22-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	106 %
	2,4,6-tribromophenol	99 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

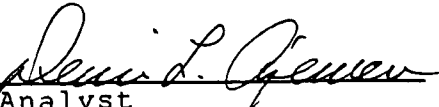
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

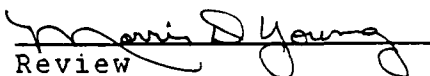
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

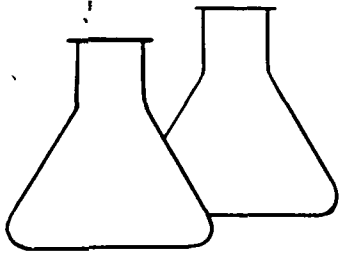
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: So. Ute 24-10 Sep/Comp Pit


Analyst


Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Mobil Oil	Project #:	93172-15
Sample ID:	Composit	Date Reported:	10-08-93
Laboratory Number:	6133	Date Sampled:	09-17-93
Sample Matrix:	Soil	Date Received:	09-17-93
Preservative:	Cool	Date Extracted:	09-22-93
Condition:	Cool and Intact	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	95 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

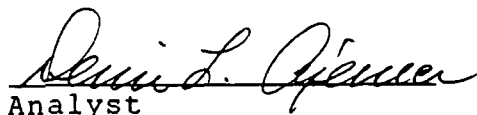
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

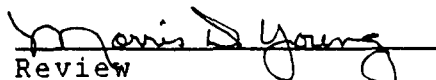
Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986

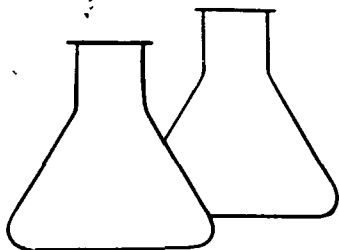
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 24-10 Separator/Compressor Pit


Analyst


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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Mobil Oil	Project #:	93172-15
Sample ID:	Composite	Date Reported:	09-29-93
Laboratory Number:	6133	Date Sampled:	09-17-93
Sample Matrix:	Soil	Date Received:	09-17-93
Preservative:	Cool	Date Analyzed:	09-29-93
Condition:	Cool & Intact	Date Extracted:	09-22-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	3.4	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

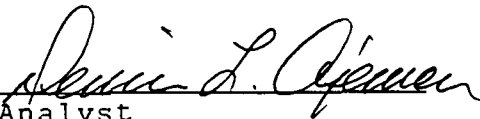
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA


Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

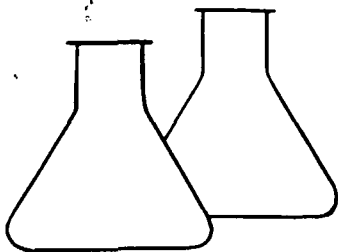
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 24-10 Separator/Compressor Pit


Analyst


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RCRA CHARACTERISTICS

Client:	Mobil Oil	Project #:	93172-15
Sample ID:	Composite	Date Reported:	09-22-93
Lab ID#:	6133	Date Sampled:	09-17-93
Sample Matrix:	Soil	Date Received:	09-17-93
Preservative:	Cool	Date Analyzed:	09-22-93
Condition:	Cool & Intact		

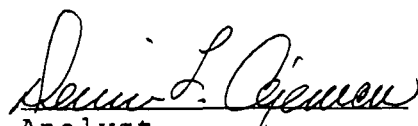
IGNITABILITY: Did not ignite upon direct contact with flame.

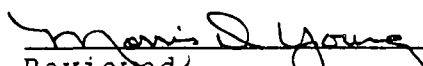
CORROSIVITY: pH of 7.48

REACTIVITY: Did not react violently with water, strong base (10N Sodium Hydroxide), or strong acid (6N Hydrochloric acid).

Reference: 40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.

Comments: \leq pH 2 or \geq pH 12.5 is hazardous waste.
So. Ute 24-10 Separator/Compressor Pit


Analyst

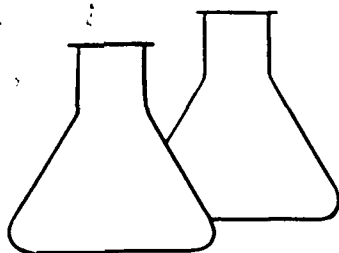

Reviewed

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FARMINGTON, NEW MEXICO 87401
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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



ENVIROTECH LABS

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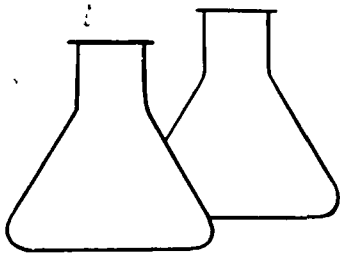
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	09-29-93
Laboratory Number:	0928TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	09-28-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.009	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	102 %
Bromofluorobenzene	97 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Laboratory Blank
Laboratory Number: 0928TCV.BLK

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

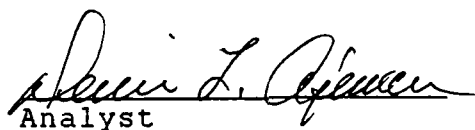
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992

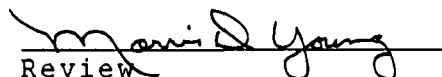
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

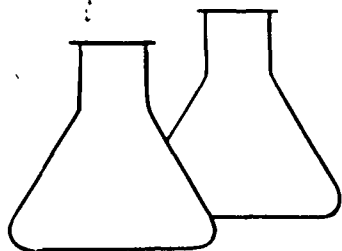
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1008tca.blk	Date Sampled:	NA
Sample Matrix:	2-Propanol	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-08-93
Condition:	NA	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	99 %
	2,4,6-tribromophenol	96 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

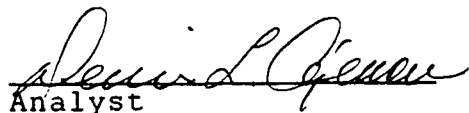
Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

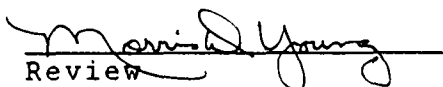
Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

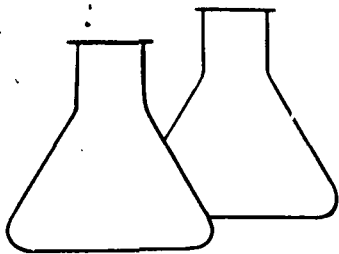
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	10-08-93
Laboratory Number:	1007tbn.blk	Date Sampled:	NA
Sample Matrix:	Hexane	Date Received:	NA
Preservative:	NA	Date Extracted:	NA
Condition:	NA	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	93 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986

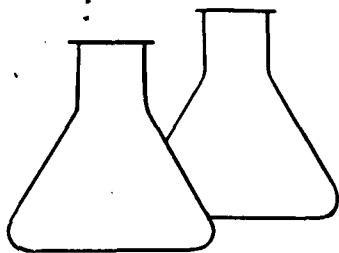
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Jensen
Analyst

Margaret D. Young
Review



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EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - BLANKS

Client:	NA	Project #:	NA
Sample ID:	Blanks	Date Reported:	09-29-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	09-29-93
Condition:	NA	Date Extracted:	NA

Parameter	Instrument Blank (mg/L)	Extraction Sol. Blank (mg/L)	Det. Limit (mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.1
CADMIUM	ND	ND	0.001
CHROMIUM	ND	ND	0.001
LEAD	ND	ND	0.001
MERCURY	ND	ND	0.002
SELENIUM	ND	ND	0.001
SILVER	ND	ND	0.01

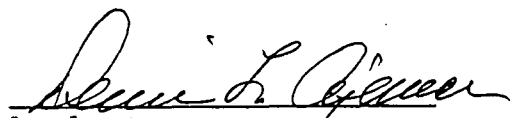
Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.


Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

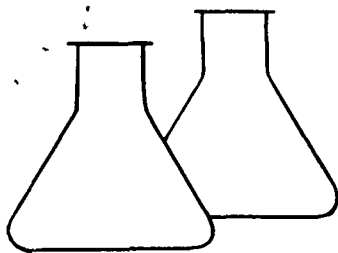
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, Nov. 1992.

ND - Parameter not detected at the stated detection limit.

Comments:


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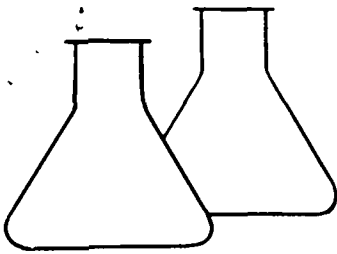
EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	09-29-93
Laboratory Number:	0922MB.	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	09-22-93
Condition:	Cool & Intact	Date Analyzed:	09-29-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.009	200
1,1-Dichloroethene	ND	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVERIES:

Parameter	Percent Recovery
Bromochloromethane	100 %
Bromofluorobenzene	95 %



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pg 2/2

Sample ID: Method Blank
Laboratory Number: 0922MB.

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

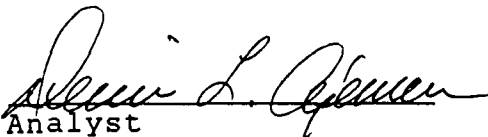
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

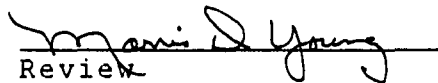
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

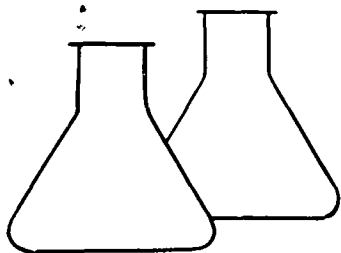
Note: Regulatory Limits based on 40 CFR part 261 Subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	0922TCA.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	09-22-93
Condition:	Cool & Intact	Date Analyzed:	10-08-93
		Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
o-Cresol	ND	0.020	200.0
p,m-Cresol	ND	0.040	200.0
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.022	100.0

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	95 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid
Waste, SW-846, USEPA, Sept. 1986.

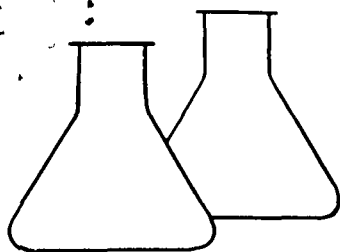
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Dennis L. Genser
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-08-93
Laboratory Number:	0922TBN.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	09-22-93
Condition:	Cool and Intact	Date Analyzed:	10-07-93
		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	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ND	0.020	0.13
HexachloroBenzene	ND	0.020	0.13

SURROGATE RECOVERY:	Parameter	Percent Recovery
	2-fluorobiphenyl	102 %

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction,
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

Method 8090, Nitroaromatics and Cyclic Ketones,
Test Methods for Evaluating Solid Waste, SW-846,
USEPA, Sept. 1986

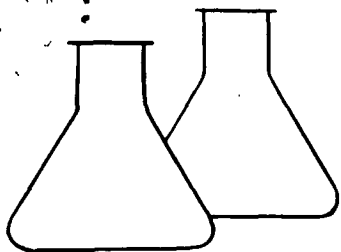
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

David L. Oliver
Analyst

Margaret D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	09-29-93
Laboratory Number:	0922MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Analyzed:	09-29-93
Condition:	Cool & Intact	Date Extracted:	09-22-93
		Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
ARSENIC	ND	0.001	5.000
BARIUM	ND	0.1	100.0
CADMIUM	ND	0.001	1.000
CHROMIUM	ND	0.001	5.000
LEAD	ND	0.001	5.000
MERCURY	ND	0.002	0.200
SELENIUM	ND	0.001	1.000
SILVER	ND	0.01	5.00

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

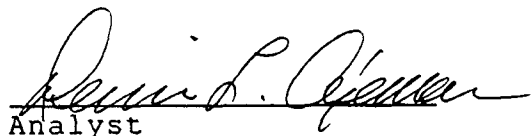
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

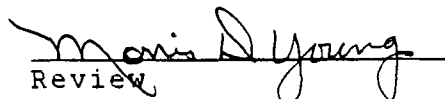
Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

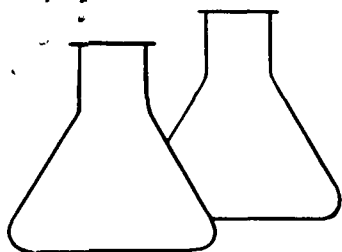
Note: Regulatory Limits based on 40 CFR part 261 subpart C
section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Procedure Method Blank


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

** QUALITY ASSURANCE

EPA METHODS 8010/8020

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Spike	Date Reported:	09-29-93
Laboratory Number:	6133-S-TCV	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	09-29-93
Condition:	NA		

Parameter	Sample Result (ug/L)	Spike Added (ug/L)	Spiked Sample Result (ug/L)	Det. Limit (ug/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	10.0	9.8	5.3	97	28-163
2-Butanone	ND	10.0	12.5	8.6	95	47-132
1,1-Dichloroethene	ND	10.0	10.2	5.0	100	43-143
Chloroform	ND	10.0	10.1	5.0	101	49-133
Carbon Tetrachloride	ND	10.0	9.7	5.0	97	43-143
Benzene	ND	10.0	9.8	5.2	93	39-150
1,2-Dichloroethane	ND	10.0	10.2	5.0	102	51-147
Trichloroethene	ND	10.0	9.2	5.0	92	35-146
Tetrachloroethene	ND	10.0	10.1	5.1	96	26-162
Chlorobenzene	ND	10.0	9.5	5.0	95	38-150
1,4-Dichlorobenzene	ND	10.0	9.7	5.0	97	42-143

Method: Method 1311, Toxicity Characteristic Leaching Procedure
Test Methods for Evaluating Solid Waste, SW-846, USEPA,
July 1992.

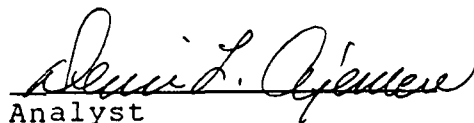
Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992.

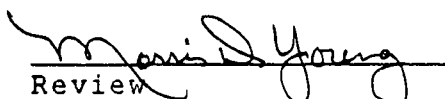
Method 8010, Halogenated Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, July 1992.

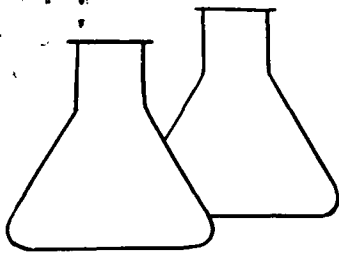
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

QUALITY ASSURANCE REPORT
EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS - MATRIX SPIKE

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	09-29-93
Laboratory Number:	NA	Date Sampled:	NA
Sample Matrix:	TCLP Extract	Date Received:	NA
Analysis Requested:	TCLP	Date Analyzed:	09-29-93
Condition:	NA	Date Extracted:	NA

Parameter	Spike Added (mg/L)	Sample Result (mg/L)	Spiked Sample Result (mg/L)	Percent Recovery
ARSENIC	0.100	ND	0.097	97
BARIUM	10.0	3.4	13.3	99
CADMIUM	0.100	ND	0.101	101
CHROMIUM	0.200	ND	0.203	102
LEAD	0.200	ND	0.198	99
MERCURY	0.025	ND	0.026	104
SELENIUM	0.100	ND	0.097	97
SILVER	1.00	ND	0.987	99

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TCLP Metals	80 - 120

Method: Methods 3010A, 3020A, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760A
Analysis of Metals by GFAA and FLAA, SW-846, USEPA

Method 1311, Toxicity Characteristic Leaching Procedure
SW-846, USEPA, July 1992.

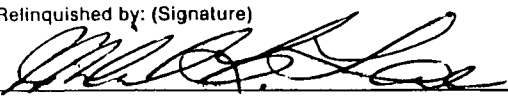
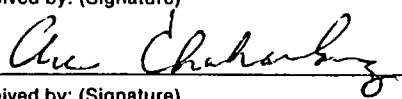
ND - Parameter not detected at the stated detection limit.

Comments:

Dawn L. Jensen
Analyst

Massie D. Young
Review

CHAIN OF CUSTODY RECORD

Client/Project Name 93172-15			Project Location Sep/Comp. Pit		ANALYSIS/PARAMETERS								
Moibil Oil			So. UTE 24-10										
Sampler: (Signature) Michael K. Lane			Chain of Custody Tape No.		No. of Containers 1	TCLP w/o ✓	Pest or Herb						Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
COMPOSIT	9/17/93	1310	6133	SOIL									
Relinquished by: (Signature) 			Date 9/17/93	Time 1730	Received by: (Signature) 			Date 9-17-93	Time 1730				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								

ENVIROTECH INC.
 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location: So. UTE 24-10 Sep Pit/Comp Pit, SE/SW, S10, T32N, R7W,
NMPM

Source of Contamination: EARTHEN SEP/COMPRESSOR PIT

Generator: MOBILE OIL

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico

Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: MICHAEL K. LAKE

Company: ENVIROTECH INC.

Signature: [Signature]

Date: 10/30/93

91364-03

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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>JUNY F 9-17-93</i>	4. Generator <i>Meridian Oil Inc</i>	
2. Destination <i>Envirotech Inc Landfarm #2</i>	5. Name of Originating Site <i>Reid B-6</i>	
3. Address of Facility Operator <i>5796 US Hwy 64</i>	6. Name of Transporter <i>Bloomfield Grand Inc</i>	
7. Location of Material (Street Address or ULSTRI) <i>J-31-29N-10W</i> <i>E. 1 mile of Sunderra Plant & 1/2 mile north</i>	8. State <i>NM</i>	
9. <u>Check One</u> <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*production oil leak -
Seal out on the polished rods.*

RECEIVED
OCT 22 1993
CON. DIV.
DIST. 3
A-22

Estimated Volume 1 40 cy Known Volume (to be entered by the operator at the end of the haul): 56 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Farnsworth* TITLE *Const Supt* DATE *9-17-93*

TYPE OR PRINT NAME *VERL FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Funt* TITLE *Geologist* DATE *10/25/93*

APPROVED BY *Eric Bush* TITLE *Geol* DATE *10/26/93*

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest
Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. Leid 36
2. Volume: 40 Cubic Yards ☒ Barrels ☐ Gallons
3. Description of Waste: produced oil contaminated soil from production location
4. Method of Waste Generation: stopping box leak on pumpjacks unit
5. Disposal Cost: \$ 16.00 / gal plus transport.
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

[Signature]
(signature)

Date 10/14/93

MOI
On Site
Representative

Transportation Company: Envirotech Inc.

Date(s) Transported: 9/20/93

MOI Representative on Site

Mark Glover
(signature)

Date 10/14/93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received: 9-20-93

Total Volume Received: 56 cu

Waste Location: Cell/Grid No. A-22

Received By:

Larry Johnson
(signature)

ENVIROTECH[®] NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Reid B-6
Source of Contamination: Stuffing box leak
Generator: Meridian Oil Inc
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: VERI FARNSWORTH

Company: Envirotech Inc

Signature: Veri Farnsworth

Date: 9-20-93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 Mobil Oil	
2. Destination ENVIROTECH SOIL REMEDIATION FACILITY, HUNTER, NM	5. Name of Originating Site SEP. PIT UTE INDIAN 3-12	
3. Address of Facility Operator 5796 US Hwy 64-3614, FARMINGTON, NM 87401	6. Name of Transporter ENVIROTECH INC.	
7. Location of Material (Street Address or ULSTR) LA PLATA COUNTY UTE INDIAN 3-12 SW/SE S12, T33N, R11W, N4PM	8. State COLORADO	
9. <u>Check One</u> <input type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOIL FROM SEPARATOR PIT AREA.

RECEIVED

OCT 01 1993

OIL CON. Landfarm II
DIST. 2

D-12

Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): 37 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Verl Farnsworth TITLE V. PRESIDENT DATE 9/21/93

TYPE OR PRINT NAME VERL FARNSWORTH TELEPHONE NO. 505-632-0615

(This space for State Use)

APPROVED BY Denny G. Fount TITLE Geologist DATE 10/4/93

APPROVED BY Ernie Bouch TITLE Geol DATE 10/4/93

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

October 1, 1993

Mr. Denny Foust, Deputy Oil & Gas Inspector
New Mexico Oil Conservation Division
Aztec, New Mexico 87410

RE: Request to Receive
Ute Indian 3-12 Dehydrator Pit
SW/SE Sec. 12, T33N, R11W, NMPM

Project: 93172-8

Dear Mr. Foust:

On behalf of Mobil Oil, Envirotech requests permission to receive hydrocarbon contaminated media from the referenced Mobil Oil well site located on the Southern Ute Indian Reservation, La Plata County, Colorado at the Envirotech Soil Remediation Facility (ERSF), Hilltop, New Mexico.

Following the regulations of the New Mexico Oil Conservation Division and the permit to operate the ESRF, attached are copies of a "Request for Approval to Accept Solid Waste" and "CERTIFICATE OF WASTE STATUS; OILFIELD EXEMPT WASTE" sign by the generator (Mobil Oil on September 9, 1993). As this is oilfield production exempt waste, no further testing is required.

As requested by the Bureau of Indian Affairs (BIA), attached are copies of the laboratory analyses of soil samples collected during a pit assessment conducted on August 26, 1993 by Envirotech.

The BIA indicated their concurrence as noted in their letter to Mobil on September 14, 1993, stating that "The materials should be considered as non-hazardous oilfield waste and not subject to the restrictions placed upon listed or characteristic hazardous wastes." (Copy of letter submitted to NMOCDC 9/17/93).

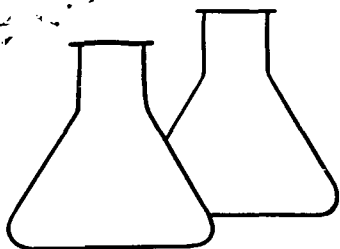
Please contact us if you have any further questions regarding this request.

Respectfully submitted,
ENVIROTECH INC.


Michael K. Lane, P.E.
Project Manager

ATTACHMENTS: Request for Approval to Accept Solid Waste
CERTIFICATE OF WASTE STATUS; OILFIELD EXEMPT WASTE
Field TPH by EPA 418.1

MKL/mkl:3172-8.LTR



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Mobil Oil	Project #:	93172
Sample ID:	T2 @ 3' bgs	Date Analyzed:	08-26-93
Project Location:	Ute Indian 3-12	Date Reported:	08-27-93
Laboratory Number:	GAC0197	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Petroleum Hydrocarbons	15700	100

Quality Assurance:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	15700	14500	8

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator Pit

Michael K. Lane
Analyst

Maris D. Young
Review

ENVIROTECH INC.

RECEIVED SEP 21 1993

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5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS
OILFIELD EXEMPT WASTE

Originating Location: MOBIL OIL, Ute Indian 3-12, La Rata, COSource: SEPARATOR PITDisposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the MOBIL E & P U.S. Inc.
concur with the status of the waste from the subject site.

Name PETE W. RICHARDSONTitle/Agency ENVIRONMENTAL & REGULATORY
ENGINEERING ADVISORAddress MOBIL OIL 12450 GREENBROOK
HOUSTON, TX 77060Signature Pete W. RichardsonDate 9-17-93



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY

P.O. BOX 315

IGNACIO, COLORADO 81137

IN REPLY REFER TO:

SEP 14 1993

Peter W. Richardson, Environmental/Regulatory
Mobil Exploration & Producing U.S. Inc.
Houston Division
12450 Greenspoint Drive
Houston, Texas 77060-1991

Re: Disposal of Contaminated Oilfield
Materials from Locations within
the Boundary of the Southern Ute
Indian Reservation.

Gentlemen:

This letter is to authorize the removal and treatment of materials from well locations, as outlined on the attached exhibit, operated by Mobil Exploration & Producing U.S. Inc., on the Southern Ute Indian Reservation.

It is understood that you are presently testing each site to determine which will need remediation. Prior to any soils being removed from any site the necessary test data will need to be provided to both the Tribe and the State of New Mexico. Per the regulations of the New Mexico Oil conservation Commission, you will need to verify these materials have been laboratory tested for hazardous characteristics; ignitability, corrosivity, reactivity, and toxicity and found to be non-hazardous. The materials should be considered as non-hazardous oilfield waste and not subject to the restrictions placed upon listed or characteristic hazardous wastes.

All test data should be forwarded to the Southern Ute Environmental Office for their review. Your procedures for testing and handling of materials should comply with those currently outlined by BLM, New Mexico, regulations. You will also need to comply with any stipulations imposed by the Southern Ute Tribe.

If you have any questions, please contact our Realty Office (303) 563-4514.

Sincerely

Eileen Condebaria

Superintendent

Edna

ENVIROTECH INC.

CF2-D12 93173-08

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location: UTE INDIAN 3-12 Sep Pit, SW/SE, S12, T33N, R11W, N140N

Source of Contamination: EARTHEN Sep Pit

Generator: MOBILE OR

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico

Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: MICHAEL K. LANE

Company: ENVIROTECH INC.

Signature: 

Date: 10/30/93

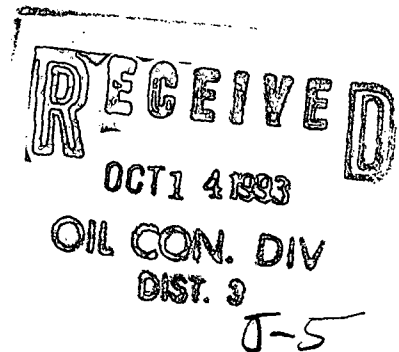
92117

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 El Paso Natural Gas Co.	
2. Destination Envirotech Landfarm <u>II</u>	5. Name of Originating Site EPNG Lindrith Plant	
3. Address of Facility Operator 5796 U.S. Hwy 64-3014, Farmington, New Mexico 87401	6. Name of Transporter El Paso Natural Gas Co.	
7. Location of Material (Street Address or ULSTR) Lindrith Gas Plant, Lindrith	8. State New Mexico	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Used Triethylene Glycol released onto the ground from plant dehydrator



Estimated Volume _____ cy Known Volume (to be entered by the operator at the end of the haul): 8cy cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Const Supt DATE 10-6-93

TYPE OR PRINT NAME VERI FRANKSWORTH TELEPHONE NO. 632-0615

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE 10/14/93

APPROVED BY [Signature] TITLE Chief DATE 10/14/93

CONDITIONS OF APPROVAL, IF ANY:

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: EPNG LINDRITH PLANT

Source: PLANT DEHYDRATOR RELEASED TRIETHYLENE GLYCOL (USED) ONTO THE GROUND.

Disposal Location: Envirotech Soil Remediation Facility, (ESRF)
Hilltop, New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is an oilfield production exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. Additionally, to my knowledge, no non-exempt waste that is a "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the exempt waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

I, the undersigned as the agent for the El Paso Natural Gas
concur with the status of the waste from the subject site.

Name SANDRA D. MILLER

Title/Agency SR. ENVIRONMENTAL SCIENTIST
El Paso Natural Gas Co.

Address P.O. Box 4990
FARMINGTON, NM 87499

Signature Sandra D. Miller

Date 10/6/93

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

RECORD OF COMMUNICATION

JOB NUMBER:

TO: Sandra Miller

FROM: Kay Tentler

DATE: 10-6-93

TIME:

PHONE NUMBER: 599-2141

TYPE OF CONTACT:

SUBJECT:

NOTES: Sandra ask if we could receive
exempt oilfield waste from El Paso Natural
Gas Lindrith Plant. she had already
talked to Denny Foust

SUMMARY OF COMMUNICATION:

ENVIROTECH INC.
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NM 87401
PHONE: (505) 632-0615 FAX: (505) 632-1865

ENV RO' TECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Lindrith Plant
Source of Contamination: oil ANTI-Freeze
Generator: EPNG - Co
Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico
Landfarm #1 _____ Landfarm #2 ✓

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: Richard R Chavez
Company: El PASONAT GAS CO
Farmington NM

Signature: Richard R Chavez
Date: 10-6-93

91364

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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 9-29-93</i>		4. Generator <i>Meridian Oil</i>
2. Destination <i>Envirotech Inc Land Farm #2</i>		5. Name of Originating Site <i>San Juan 29-7 #88A</i>
3. Address of Facility Operator <i>5796 US Highway 64 Farmington NM</i>		6. Name of Transporter <i>Cimarron Oilfield Services</i>
7. Location of Material (Street Address or ULSTR) <i>San Juan 29-7 #88A</i>		8. State <i>NM</i>
9. Check One <input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

Production Tank overflow

RECEIVED
OCT 01 1993
OIL CON. DIV.
DIST. 3

H-22

Estimated Volume 7 cy Known Volume (to be entered by the operator at the end of the haul): 7 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Verl Farnsworth* TITLE *Const Supt* DATE *9-29-93*

TYPE OR PRINT NAME *VERL FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Faint* TITLE *Geologist* DATE *10/4/93*

APPROVED BY *Ernie B...* TITLE *Geol* DATE *10/4/93*

CONDITIONS OF APPROVAL, IF ANY:

Envirotech Exempt Waste Manifest
Meridian Oil Inc.
PO Box 4289, Farmington, NM 87489

Safety and
Environmental

1. Waste Location: Lease/Well No. SAN JUAN 29-7 #88A
2. Volume: 7 Cubic Yards Barrels Gallons
3. Description of Waste: OLD STAINED DIRT
4. Method of Waste Generation: TRUCK OVER FLOW
5. Disposal Cost:
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

John E. Latham
(signature)

Date 9-29-93

MOI
Representative

Transportation Company: CITICORP

Date(s) Transported: 9/29/93

MOI Representative on Site

Mitchell L. Ferraro
(signature)

Date 9/29/93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with invoice.

Date(s) Received:

Total Volume Received:

Waste Location : Cell/Grid No.

Received By :

(signature)

ENVIROTECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location: San Juan 29-7 #88A

Source of Contamination: Tank overflow

Generator: Meridian Oil

Disposal Location: Envirotech Soil Remediation Site,
Hilltop, New Mexico

Landfarm #1 _____ Landfarm #2 X

"We, the transporters, certify the material hauled from the above location has not been added to or mixed with and is the same material received from the above mentioned Generator, and that no additional materials have been added."

Name: DAN FOGLEHEART

Company: CIMARRON

Signature: [Signature]

Date: 9-30-93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE		XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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>Meridian Oil Inc</i>	
2. Destination <i>EnviroTech Inc Land Farm #2</i>	5. Name of Originating Site <i>Val Verde Plant</i>	
3. Address of Facility Operator <i>5796 US Highway 64</i>	6. Name of Transporter <i>EnviroTech Inc</i>	
7. Location of Material (Street Address or ULSTR) <i>Blanton Field NM</i>	8. State <i>NM</i>	
9. Check One		
<input checked="" type="checkbox"/> 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. <input type="checkbox"/> B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from the Generator and the New Mexico Environment Department or other appropriate government agency; two certificates per job. <input type="checkbox"/> C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.		

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

*Continuation of material
approved for receiving*

RECEIVED
OCT. 01/1993
OIL CON. DIV.
DIST. 3
A-22

Estimated Volume 2 cy Known Volume (to be entered by the operator at the end of the haul): 20 cy

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Veri Farnsworth* TITLE *Const Supt* DATE *9-30-93*

TYPE OR PRINT NAME *VERI FARNSWORTH* TELEPHONE NO. *632-0615*

(This space for State Use)

APPROVED BY *Denny G. Fout* TITLE *Geologist* DATE *10/4/93*

APPROVED BY *Elmer Bach* TITLE *Geol* DATE *10/4/93*

CONDITIONS OF APPROVAL, IF ANY:

ENV RO' ECH NC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

REAFFIRMATION OF WASTE STATUS

I, hereby certify that there has been no change in the processes employed on the chemical stored/used at the facility generating this waste.

Signed Bert Garkins
Date of TCLP NA
Name Bert Garkins
Company Meridian Oil Inc
Site Val Verde Plant
Source Charcoal Filter Media
Date Sept 30, 93
632-1733

632-181

Envirotech Exempt Waste Manifest Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

MOI
Safety and
Environmental

1. Waste Location: Lease/Well No. Val Verde Plant
2. Volume: 20 Cubic Yards X Barrels Gallons
3. Description of Waste: charcoal filter media
4. Method of Waste Generation: CS Plus filtration
5. Disposal Cost:
6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.

Approval for Disposal

(signature)

Date

9/30/93

MOI
On Site
Representative

Transportation Company: EnvirotechDate(s) Transported: 9-30-93

MOI Representative on Site

(signature)

Date

9-30-93

Envirotech
Complete and
return to
Meridian
Safety and
Environmental
with Invoice.

Date(s) Received: Total Volume Received: Waste Location : Cell/Grid No.

Received By :

(signature)

455