NM1-11

C-138

Date: 1993

•		*· '
	ACCEPT SOLID WASTE	* xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exemp		4. Generator
Verbal Approval Received:	(es No D	Meridian
2. Destination		5. Name of Originating Site
LF#2-A22		Val Worde Plant
3. Address of Facility Operator		6. Name of Transporter
5796 US Huz 64-3014	•	Riles Industrial
7. Location of Material (Street Addres		8. State
Meridian Val Verde Pla	+ A-14-T29N-RI	IW DM
9. Check One		
A, All requests for approvel to accept oilfield exempt wastes	will be accompanied by a certification of wester from	n the Generator; one certificate per job.
8, All requests for approval to accept non-cillield exempt we Mexico Environment Department or other appropriate government.		status from the Generator and the New
C. All requests for approval to accept non-exempt wastes in and the Generator's certification of origin. No waste class	ust be accompanied by necessary chemical analyses	
All transporters must certify the westes delivered are only the	nose consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:		
Continued Charcoal	Alto Media	
		<u>-</u>
	to Landfern	# 2- A-22
		PEGELAEU
		A M
•		FEB = 3 1994
		OIT CON' DIN
\mathcal{U}		DIST. 3
Estimated Volume	Known Volume (to be entered by the opera	otor at the end of the haul);
hereby certify that the information above is true and complete		
SIGNATURE Koter M. Juny	TITLE (ANDFARMS	DATE 7/12/93
TYPE OR PRINT NAME ROSSERF YOUNG		TELEPHONE NO. 505-633-06-5
- AA	· · · · · · · · · · · · · · · · · · ·	
(This space for State Use)		7/2/9/1
APPROVED BY	TITLE	DATE 2/3/9/
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY: From duy	wissing-bluring inf	somme/

Audit

92197 LF2-A22 7/13/93 Rec 6Cy

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

		- 1 A	
Originating Location	: Talverde	Plant	MOI
Source of Contaminat	ion: Charcoal	Cilter	Medium
Generator: Mexi	dian dil	Co,	<u> </u>
Disposal Location:	Envirotech, Inc Hillto Landfarm #1	op, New Mexico	, ,
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	· · · · · · · · · · · · · · · · · · ·		
from the above with and is	porters, certify location has not the same mater rator, and that	t been added dial received	to or mixed
	Name: <u>Ch</u> Company: _/	arles M Piley I	Boughan ndustrial
•	Signature:	<u> Charles M</u> 1 13 93	Boylin

	ent 1093
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: ☑ Non-Exempt: □	4. Generator
Verbal Approval Received: Yes ♥ No □	
930 Am Roger anlerson - Ponnie	Hicks Oil & Gas
2. Destination	5. Name of Originating Site #37 Sisposel Well Southeast Cha Cha
Envirolect Inc land form II	Southeast Cha Cha
3. Address of Facility Operator	6. Name of Transporter
5796 US How 64 Farmington,	ver Pot Trucking Co
7. Location of Material (Street Address or ULSTR)	8. State
Ecc 15 TABN RIBW 1110	NM
9. Check One A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste for B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste	om the Generator; one certificate per job.
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All transporters must certify the wastes delivered are only those consigned for transport.	
Tank bottoms associal Expertion well operation	TONS
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	SEP1 41993
	OIL CON. DIV.
	DIST. 3
	B-12-
-	C-12
stimated Volume	rator at the end of the haul): 400
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
IGNATURE / GLAST TITLE (BUST OF	DATE 7-10-
YPE OR PRINT NAME VERY FARMS WORLS	TELEPHONE NO. 632-0615
(his space for State Usa)	
	109 DT DATE 9/14/0
9 / K	7 D
APPROVED BY June Durch TITLE (Tel	DATE /////

Underground Tank Testing • Site Assessment • Site Remediation

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON. NEW MEXICO 87401

PHONE: (505) 632-0615

OIL CON. DIV DIST. 3

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

JIM HICKS

Originating	Location: SOUTHEAST CHA CHA WATER DISPOSAL WELL "O" Sec. 15, T28N, R13W
Source: St	orage Tank Bottoms
Disposal Lo	cation: 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.

NameRonnie Benson
Title/Agency Agent Hicks Oil & Gas, Inc.
Address P.O. Drawer 3307, Farmington, NM
Signature Konnie Denson
Date_ 9/10/93

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PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location:	ficks Dil Disposal facility.
Source of Contamination:	Ri'l
Generator: Hicks O	
Disposal Location: Envi	rotech, Inc. Soil Remediation Site,
Land	Hilltop, New Mexico farm #1 Landfarm #2 X
	,
from the above loca with and is the	rs, certify the material hauled tion has not been added to or mixed same material received from the above, and that no additional materials have
DEGETYED	
M A 1993	Name: AL Sample
OIL CON. DIV.	Company: C& J Trucking
OIL DIST. 3	Farmington UM
	Signature: Al dample
	Date: 10 Saft 23

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

Ominimating Tagatian.	Hicks Disposal
	<u> </u>
Source of Contamination	on: <u>dilfield</u> waste
Generator: Krcks	·
	nvirotech Soil Remediation Site, Hilltop, New Mexico andfarm #1 Landfarm #2
from the above lowith and is the	rters, certify the material hauled ocation has not been added to or mixed e same material received from the above tor, and that no additional materials have
SEPI 41993. OIL CON. DIV.	Name: John Hunt Company: 3 Rivers Trucking Signature: John Mund Date: 9-13-93

1. RCRA Exempt: Non-Exempt: Userial Approval Received: Yes No D 4. Generator Nobil Oliverial Approval Received: Yes No D 5. Name of Originating Site Den Provided Site Den	<u> </u>	
Verbal Approval Received: Yes A No No No No No No No No	REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	Ixxxxxxxxxxxxxxxxxxxxxxxxxxxx
2. Destination 2. Destination 5. Name of Originating Site ENVERTERN SOIL ESHEDIATION FACILITY, Humber NM 5. Name of Originating Site Enverter Solid Street Address of Facility Operator 7. Location of Material (Street Address or ULSTR) 8. State 9. Check One X.A. All requests for approval to accept collicid exempt westers will be accompanied by a certification of waste from the Generator; one certificate par jub. 0. E. All requests for approval to accept collicid exempt westers will be accompanied by a certification of waste from the Generator; one certificate par jub. 1. C. All requests for approval to accept convenient exempt westers will be accompanied by a certification of waste from the Generator; one certificate par jub. 2. All requests for approval to accept convenient exempt westers must be accompanied by measure price. All representation and provided accept convenient exempt westers must be accompanied by the certification of waste from the Generator; one certificate and the flow Masca formation of waste from the Generator; one certificate and the flow Masca formation of waste from the Generator; one certificate and the flow masca from the Generator; one certificate and the flow Masca formation and the flow section and the flow section and the flow section desired and the flow acceptance of the mascalled and practically in certification of waste from the Generator; and certificate and the flow section desired and flow section of waste from the Generator; and conflicts and flow section of waste from the Generator; and conflicts and flow section desired and flow secti	1. RCRA Exempt: 🗵 Non-Exempt: 🗆	4. Generator
ENUIRATED SOIL PREPARATION FACILITY, HILLTOP, NM SO. UTE 42-4 3. Address of Facility Operator 5796 US HWY 64-3014 FARMINISTIND NM STADI 7. Location of Material (Street Address or ULSTR) 8. State 50. UTE 42-4 SEVE S4 T32N, R7W, NMM 9. Check One A. All requests for approval to accept infield exempt wastes will be accompared by a certification of waste from the Generator; one certificate par job. 10. R. All requests for approval to accept non-sempt wastes will be accompared by a certification of waste from the Generator; one certificate par job. 10. C. All requests for approval to accept non-sempt wastes will be accompared by reconflication of waste from the Generator; one certification of waste from the Generator; and the New Mario formisoment Department or other approprise operatorial report, two certification of waste status from the Generator; and the New Mario formisoment of partners and the Generator's certification of origin. No waste desaulted on his addican by lesting a testing will be approved. All transporters must certify the wastes deferred are only those corrulged for transport. BRIEF DESCRIPTION OF THE MATERIAL: HYDRO CARROON CONTAMINATED SOL FROM SACES LINE LA PLAYA COUNTY, CO. 10. SEPTIS 1893. 11. OIL WELL / EPHG SACES LINE LA PLAYA COUNTY, CO. 11. SEPTIS 1893. 11. C. / / 3 12. C. / 3 13. C. / 3 14. C. / 3 15. C. / 3 16. Name of Transporters 6. Name of Transporter	Verbal Approval Received: Yes 🌠 No □	MOBIL OIL/EPNG
3. Address of Facility Operator \$796 US HWY 64-3014, FARMINGTON, NH 87451 7. Location of Material (Street Address or ULSTR) 8. State So. OTE 42-4 SPNE S4 TB2N R7W NHAM 9. Chock One A. All requests for approval to accept non-diffield exempt wester will be accompanied by a cortification of wests from the Generator; one certificate per job. 10. All requests for approval to accept non-diffield exempt wester will be accompanied by a certification of wests from the Generator; one certificate per job. 11. All requests for approval to accept non-diffield exempt wester will be accompanied by a certification of wests status from the Generator and the New Marice Environment Operators of the New Marice Environment Operators of the New Marice Environment of the Secondary of the American Service of the Generator's certification of origin. No waste classified on bracedous by facting or testing will be approved. All transporters must certify the wester delivered are only those consigned for transport. BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINATED SOL FROM DEAY DRATOR PIT AREA, Morbil Oll Well PING AREA COUNTY, CO. 10. SEPPLIFIESS ONLOWING DIV. O	2. Destination	5. Name of Originating Site
3. Address of Facility Operator \$796 US HWY 64-3014, FARMINATION, NH 87451 7. Location of Material (Street Address or ULSTR) 8. State So. OTE 42-4 SPNE S4 TB2N R7W NHM 9. Check One A All requests for approval to accept collidad exempt wester will be accomparied by a cartification of wests from the Generator; one cartificate per job. 9. All requests for approval to accept non-neitlfuld exempt wester will be accomparied by a cartification of wests from the Generator; one cartificate per job. 9. All requests for approval to accept non-neitlfuld exempt wester will be accomparied by a cartification of wests status from the Generator and the New Mexico Environment Operation of accept non-neitlful exempt wester must be accompared by recessary chemical environment for material in non-hazardous and the Generator's cartification of environ. No wests classified on bracedous by facting united environment to accept non-nearing wester must be accompared by recessary chemical environment to prove the material in non-hazardous and the Generator's cartification of environment approve to accept non-nearing wester must be accompared by recessary chemical environment to prove the material in non-hazardous and the New Mexico Generator's cartification of environment approved. All transporters must cartify the wester delivered are only those considered by those considered by the supervised. BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARZBON CONTAMINATEO SOL FROM SALES LINE LA PLAYA COUNTY, CO. FORM OF THE MATERIAL: HYDROCARZBON CONTAMINATEO SOL FROM	ENVIROTERN SOIL REMEDIATION FACILITY, HILTOP NH	So. UTE 42-4
7. Location of Material (Street Address or ULSTR) So. OTE 42-4 SENE ST T32N R7W NMM 9. Check One A. All requests for approval to accept califold exempt wester will be accompanied by a cartification of wester from the Generator; one cartificate per job. B. All requests for approval to accept convolided exempt wester will be accompanied by a cartification of wester from the Generator; one cartificate per job. C. All requests for approval to accept convolided exempt wester will be accompanied by a cartification of wester from the Generator; one cartificate per job. C. All requests for approval to accept convexement vesters must be accompanied by a cartification of wester from the Generator; one cartificate per job. All transporters for approval to accept convexement vesters must be accompanied by necessary chamical envises to prove the material in non-hazardous and the Generator's cartification of origin. No wester classified as hazardous by listing or festing will be approved. All transporters must cartify the wester delivered are only those consigned for transport. BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARDON CONTAMINATED SON FROM DEAY DRATOR PIT AREA, MOTSIL OIL WELL FRING SAKES LINE LA PLATA COUNTY, CO. C. /3 O -/3 O -/3 O -/3 O -/3 O -/3 O -/3 Estimated Volume Cy Known Volume (to be entered by the operator at the end of the hault: HODE GRAY Support of the promission above a truly and complete to the best of my knowledge you bailed. TITLE June F. Support Suppor	3. Address of Facility Operator	6. Name of Transporter
7. Location of Material (Street Address or ULSTR) So. OTE 42-4 SENE ST T32N R7W NMM 9. Chack One M.A. All requests for approval to accept collided exempt wester will be accompanied by a cartification of wester from the Generator; one cartificate per job. B. All requests for approval to accept convolided exempt wester will be accompanied by a cartification of wester from the Generator; one cartificate per job. C. All requests for approval to accept convenient systems and the accompanied by a cartification of wester from the Generator; one cartificate per job. C. All requests for approval to accept convenient wester must be accompanied by a cartification of wester from the Generator; one cartificate per job. C. All requests for approval to accept convenient wester and the Generator at the Generator and the Generator of ordinary wester delivered are only those accompanied by necessary chamical analyses to prove the material is non-hazardous and the Generator's cartification of origin. No wester desired as hazardous by listing or festing will be approved. All transporters must cartify the westers delivered are only those consigned for transport. BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARDON CONTAHINATED SON FROM DEAY DRATOR PIT AREA, MOTSIL OIL WELL PING SARES LINE LA PLATA COUNTY, CO. C. /3 O -/3 DATE 9-8-7 SIGNATURE Well Asserting and complete to the best of my knowledge year based. TITLE West Suppl. DATE 9-8-7	5796 US HWY 64-3014 FARMINGTON NM 87481	ENVIRONGEH LAC.
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BRIEF DESCRIPTION OF THE MATERIAL: HYDROCAREBON CONTAMINATED SALES LINE DEAY DRAFO COUNTY, CO. WARRAND COUNTY, CO. Known Volume (to be entered by the operator at the end of the haul): Estimated Volume Leafur Augustration above in the approach to secret more and complete to the best of my knowedge and benefit. SIGNATURE Warrand Augustration of spiritual and complete to the best of my knowedge and benefit. Brief Description of the material of the headles of the properties of the properties of the properties of the spiritual of the headles. BRIEF DESCRIPTION OF THE MATERIAL: HYDROCAREBON CONTAMINATED SALE FROM SALES LINE LA PLATA COUNTY, CO. Known Volume (to be entered by the operator at the end of the haul): DESCRIPTION OF THE MATERIAL OF THE MATERIAL OF THE PROPERTIES OF THE MATERIAL OF THE M	9. Check One	
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Estimated Volume		PIST. 3
Thereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE Level farms worth. TITLE facts from DATE 9-8-9-		C-13 0-13
Thereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE Level farms worth. TITLE facts from DATE 9-8-9-	Columns and Volumna 180 has annually the land and the second best of t	ha and of the hardly 40
		no eno or me naur.
		ATE 9-8-93
TYPE OR PRINT NAME VERY FANCUSWORKS TELEPHONE NO. 632-0615	TYPE OR PRINT NAME VERY FAVENSWORKS	TELEPHONE NO. 632-0615

APPROVED BY Suna Brokh TITLE Geologist DATE 9/21/93

APPROVED BY Suna Brokh TITLE Geol DATE 9.21-93

CONDITIONS OF APPROVAL, IF ANY:

002

WIRDTECH INC

155 PØ2 SEP Ø8 '93 16:55

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 OLIFIELD EXEMPT WASTE

Originating	Location:	HOBE DIE	50. On	42-4	LARAN Co	20
Source: De	HYDZATOR	PIT (EF	WG SHE	· Luce		
		nvirotech Sc		ion Fac	ility (ret	

"As a condition of acceptance for disposal, I hereby certify that this waste is an cilfield 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 Mobile E&P US. | NC. concur with the status of the waste from the subject site.

Name PETE W. RICHARDSON
Title/Agency ENUIRON HESTAL & REGULATORY
Address Mobil Oil 12450 GREENS POINT
Houstons, Tx 77000
Signature Leu Wo Michardian
Date / / / 73

NVIROTECH 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

Project: 93172-13

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

Request to Receive RE:

> Southern Ute 42-4 Dehydrator Pit SE/NE Sec. 4, T32N, R7W, NMPM

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:

CC:

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]

MKL/mkl:3172-13.LTR

OIL CON. D



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY P.O. BOX 315 IGNACIO, COLORADO 81137

SEP 1 4 1993

IN REFET REFER TO.

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 Eilen Candelaria

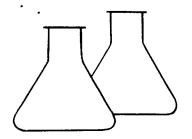
Superintendent

Action 1

100

		Producing		Pit	Type of Pit(s)	Mobil or
Nell Name	Well #	Zone	Lease #	Y/N		Pipeline
Colorado 32-8	2	PC, MV	142015126	1		T Politic
Bondad 34-10	7	MV	142015130		And the Control of th	ļ
Bondad 34-10	6	MV	142015130		AND THE PROPERTY OF THE PROPER	
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	1		
Colorado 32-8	1-6	PC, MV	14201519	1		<u> </u>
Moccasin Canyon	F12X-24G		COC12606	1		f
Colorado 32-7	9	FR	COC51389	1		
Ignacio 33-7	15-2	FR	COC52222			}
Colorado 32-7	15	FR	COC52388	†		
Colorado 32-7	14	FR	COC52389			
Schofield Auto	31X-5-2	Fn	COC52436			· · · · · - ·
Colorado 32-7	10-2	FR	COC52437	·		
Colorado 32-7	12	FR	COC52438	}		
Colorado 32-7	13	FR	COC52439	 		
	24-10-2		COC52439	 		\- <u>-</u>
Southern Ute		FR		 		
Ignacio 33-7	8-2	FR	COC52441	ļ		
Southern Ute	22-33-2	FR	COC53039			
ignacio 33-7	16-2	FR	COC53108	<u> </u>		
Ute Indian	3-12	KT, PC	MOOC14201660			
Ute Indian	2-12	MV, DK	MOOC14201660			
Ute Indian	1-12	MV, DK	MOOC 14201660			
Lite Indian	1-1	DK	MOOC14201660			
Uta	1-11	PC, NB	MOOC14201661	<u> </u>		
	14-32	PL	SWI4058			
ignacio 33 - 7	18	MV	SWI4058			
McCulloch	3	MV	SWI4060	l		
Colorado 32-7	_	MV	SWI4065	<u>L</u>		
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			<u> </u>
P. Wright/S. Ute	11	PL	SWI4139			
Colorado 32-7	5	MV	SWI4139			
Southern Ute	22-33	MV	SW14147	1		
Colorado 32-7	8	MV	SWI4150	 		
Ignacio 33-7	15	MV	SWI4151		1	
Colorado 32-7	10	MV	SWI4 164		· ·	
Southern Ute	42-4	MV	SWI4164	l		}
Schofield Auto	11-5	PL	SWI4173	ļ		
Schofield Auto	31X-5	MV	SWI4173	1-		}
	16	MV	SWI4205			1

SCHOPIGE Auto 41-6 UTG INDAN 1-1



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)	Limit (ug/Kg)
Benzene	иD	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

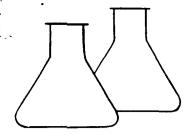
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 42-4 Dehydrator & Separator Pit

Analyst diagram

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

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

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

Method:

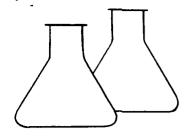
Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978

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

Ca Chahalla Analyst

Review Cris D. Moung



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)	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

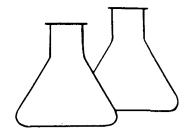
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 42 - 4 Dehydrator and Separator Pit

Analyst Lieuen

neview James



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

Concentration Limit
Parameter (mg/kg) (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.

Analyst)

Review young

LF2 CB/OS

\$3172-13

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	1: SOUTHERN UTE 42-4, SELA, T32H, RTW, NHPM
Source of Contaminat	ion: SEP. EARTHEN PIT
Generator: Mosk	On Pear Ho: 93172-13
Disposal Location:	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2
	C3/D3
from the above with and is	porters, certify the material hauled location has not been added to or mixed the same material received from the above rator, and that no additional materials have
	Name: MICHAEL K. LANE Company: ENVIROTECH /MC.
·	Signature: <u>All (888</u>) Date: 9/30/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: 🖳	4. Generator
Verbal Approval Received: Yes No D	Gary Evergy
2. Destination	5. Name of Originating Site
Eurodech Inc. Card farm # 2	Truck Turnover
. Address of Facility Operator	6. Name of Transporter
5796 US Highway 64	Envirodech Inc
. Location of Material (Street Address or ULSTR)	8. State
Hur 84 mile narler 286	wi
Check One	
 A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste at 	
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 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.	
HEE DECORIDE ON OF THE MATERIAL.	
IEF DESCRIPTION OF THE MATERIAL:	
Contaminated soils resulting ,	frence a forler
,	
Vollorer on Hay 84 South	of the New News
Coloralo border. Material loca	ted in a major
drainage channel.	
DEGELVEN	DECEIVE
REGERTO	
SEP = 8 1993	AUG2 5 1993 H- 13
	Manage Property

OIL CON. DIV.

	\ DIST.	3	Α Φ
Estimated Volume	cy Known Volume (to be entere	ed by the operator at the end of the hault:	1204
, ,	true and complete to the best of my knowledge and	· · · .	DATE 8-25-93
TYPE OR PRINT NAME	1 FARRYWORTH	TELEPHONE NO.	632-0615
	J. Fourfritte		
APPROVED BY Sogue	Ville TITLE	Ena Bauar Oh	DATE <u>9/7/93</u>
CONDITIONS OF APPROVAL, IF ANY:			
Note tour	Keir mallaver - F	= n = 2-2-1-1-1-1-1	

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: 12.	4. Generator
Verbal Approval Received: Yes No D	Gary Evergy
2. Destination	5. Name of Originating Site
Eurrolich Inc Card farm # 2	Truck Turnover
3. Address of Facility Operator	6. Name of Transporter
	l ·
7. Location of Material (Street Address or ULSTR)	Enviro Lech Ivc 8. State
,	o. State
Hwy 84 mile marker 286	vn.
9. Check One	
	1
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the G B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status f	1
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 provi and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	e the material is non-hazardous
All transporters must cartify the wastes delivered are only those consigned for transport.	
•	
BRIEF DESCRIPTION OF THE MATERIAL:	
Contaminated soils resulting fro	of the New Mexico
Colorale border. Material locate	d in a major
drainoge channel.	RECEIVED
·	AUG2 5 1993
	OIL CON. DIV.
	DIST. 3
	()
Estimated Volume cy Known Volume (to be entered by the operator at ti	he end of the haul):cy
I nereby certify that the information above is true and complete to the best of my knowledge and belief.	1 9-25-9=
SIGNATURE Jul famewort TITLE Just Sup	DATE 8-25-95
TYPE OR PRINT NAME /ER FARYSWARTH	TELEPHONE NO. 632-0615
(This space for State Use)	
APPROVED BY Dany of Feerent TITLE GOOD	pg 15 DATE 8/25/93
APPROVED BYTITLE	

conditions of approval, if any: Seut 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	n: Gary Evergy - Hwy 84
Source of Contamina	tion: Truck Rollover
Generator: Crubs	Truck
Disposal Location:	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2
from the above with and is	porters, certify the material hauled location has not been added to or mixed the same material received from the above erator, and that no additional materials have
	Name: VER FARNSWORTH Company: Enviro Lect Inc
	Signature: Led formswood Date: 6-20-93

ENVIROTECH INC:

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

93179 project: 23

Gary Energy

Dale Wright 632-3377

JOB NUMBER:

TO: MORRIS D. YouNG

FROM: ROGER ANDERSON - OCD

DATE: August 9, 1983

TIME: 9:28

PHONE NUMBER: 817-5884

TYPE OF CONTACT: Requested authoristion to clean up Gary Energy

SUBJECT: Crede oil spill on Highway 84 1 1/2 miles

NOTES: South of Colorado / New Musico Border-

Roger soid he had received Verbal authorgation from the ED on an Emergency basis to authorize

clear up, Transport & Strage of the spill-malinel

on plastic Alow NMOCD Jacoby. The maluel has to be convided with plastic and TC(P tested

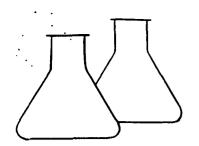
a report to NMOCD & ED is required. Roger stated be would by in this authorization on hi

UMMARY OF COMMUNICATION:

CH INC.

GHWAY 64-3014

FAX: (50 532- 865



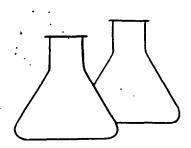
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EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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	Reco	very
		Bromochloromethane	2	103	%
		Bromofluorobenzene	<u> </u>	111	%



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

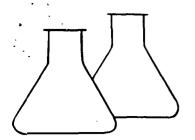
Note:

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

yelle



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	
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

Parameter

SURROGATE RECOVERIES:

2-fluorophenol	97 %
2,4,6-tribromophenol	97 %

Percent Recovery

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

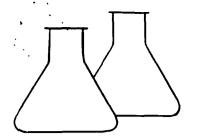
ND - Parameter not detected at the stated detection limit.

Comments:

Highway 84, Chromo

Alux A. Celller Analyst

Revie



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 REC	OVERY:	Parameter	Percent	Reco	very
	-				
	2	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

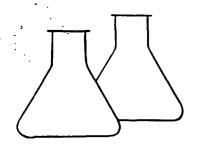
ND - Parameter not detected at the stated detection limit.

Comments:

Highway 84, Chromo

Alexa J. Glener Ahalyst

Review Young



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
		Det. Reg	ulatory
	Concentration	Limit	Level

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:

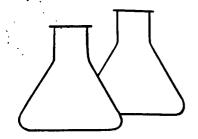
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Highway 84, Chromo

Analyst Geller

Mornin Moring



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

RCRA CHARACTERISTICS

Client: Sample ID:

Gary Energy
#1 Crude Spill

Project #: 93178

Date Reported: 08-16-93

Date Sampled: 08-16-93

Lab ID#:
Sample Matrix:
Preservative:

5896 Soil Cool

Date Received: 08-16-93 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.

haharlang

Comments:

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

Highway 84, Chromo.

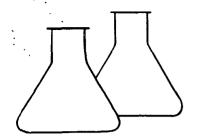
Analyst

Reviewed

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



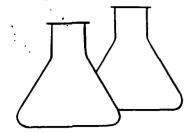
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EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	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

		Det.	Regulatory
	Concentration	Limit	Limits
arameter	(mg/L)	(mg/L)	(mg/L)
inyl Chloride	ND	0.007	0.2
-Butanone	ND	0.005	200
1-Dichloroethene	ND	0.005	0.7
nloroform	ND	0.005	6.0
arbon Tetrachloride	e ND	0.005	0.5
enzene	ND	0.005	0.5
2-Dichloroethene	ИD	0.005	Ø.5
cichloroethene	ND	0.005	0.5
trachloroethene	ND	0.005	0.7
nlorobenzene	ND	0.005	100
4-Dichlorobenzene	ND	0.005	7.5
inyl Chloride Butanone 1-Dichloroethene aloroform arbon Tetrachloride nzene 2-Dichloroethene cichloroethene etrachloroethene	ND	0.007 0.005 0.005 0.005 0.005 0.005 0.005 0.005	0.2 200 0.7 6.0 0.5 0.5 0.5 0.5 0.7

SURROGATE	RECOVERIES:	Parameter	Percent R	ecovery
		Bromochloromethane	و و	90 %
		Bromofluorobenzene	<u> </u>	97 %



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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

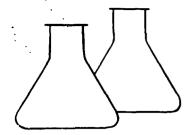
Note:

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:

Review



ender eine voor en gegeben verde en de propositiet kan die de de propositiet bestek kommende de propositiet ve

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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	Per	cent 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:

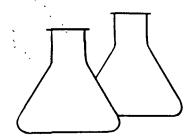
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Alexandre Officer

Review Jone



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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:

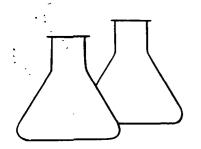
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

nei

Review James



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

	Instrument	Extraction Sol.	Det.
	Blank	Blank	Limit
Parameter	(mg/L)	(mg/L)	(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:

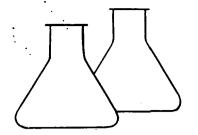
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, Sept. 1986

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:



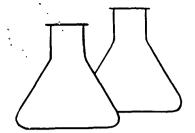
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EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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	Reco	very
		Bromochloromethane	:	103	%
		Bromofluorobenzene	;	105	%



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EPA METHODS 8010/8020

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pq 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:

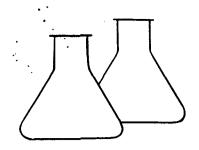
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Barriot



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	Per	cent Recovery

SURROGATE RECOVERTED:	rarameter	rercent Re
		

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:

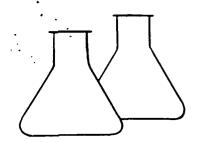
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

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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-fluorobiphenvl	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

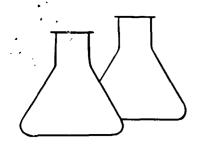
Note:

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:

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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

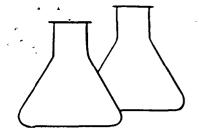
SW-846, USEPA, Nov. 1990

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.

TCLP Extraction Method Blank Comments:



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

Client: Sample ID:

Laboratory Number: Sample Matrix:

Analysis Requested: Condition:

NA Laboratory Spike 5896STCV.

Soil TCLP NA Project #: NA

Date Reported: 08-17-93

Date Sampled: NA Date Received: NA

Date Analyzed: 08-17-93

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	ип	10.0	13.2	7.4	91	28-163
2-Butanone	^r ND	10.0	10.2	5.5	93	47-132
1,1-Dichloroethene	ND	10.0	11.3	5.4	102	43-143
Chloroform	ИD	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

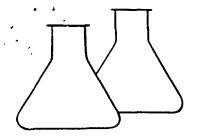
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

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

Client:	NA		Proj	ect #:	NA
Sample ID:	NA		Date	Reported:	08-20-93
Laboratory Number:	NA		Date	Sampled:	NA
Sample Matrix:	TCLP Extr	act	Date	Received:	NA
Analysis Requested:	TCLP		Date	Analyzed:	08-20-93
Condition:	NA		Date	Extracted:	NA
	Contilea	Commla	C.	ndhad Cammla	

	Spike Added	Sample Result	Spiked Sample Result	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	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:

Analyst

Review forms

CHAIN OF CUSTODY RECORD Client/Project Name **Project Location** 93178 **ANALYSIS/PARAMETERS** GARY ENERGY
Sampler: (Signature) HICHWAY 84, CHROMO Chain of Custody Tape No. Remarks Sample No./ Sample Sample Lab Number Matrix Identification Time CRUDE Spill 18/16/93 7:00 Soil 5896 Received by (Signature) Time Time Relinquished by: (Signature) 8/16/93 7:50 7:50 Received by: (Signature) Relinquished by: (Signature) Received by: (Signature)

Envirotech Inc.

5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 (505) 632-0615 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 Evergy - Luy 84
Source of Contaminati	on: Truck Rollover
Generator: Crude	Truck
	nvirotech Soil Remediation Site, Hilltop, New Mexico andfarm #1 Landfarm #2
jin en	
	ne same material received from the above ator, and that no additional materials have
	Name: VER! FARENSWORTH
	company: Everyolect Ive
	Signature: Led farmance
	Date: 8-14-93

	92118
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
14 BCBA Exempt: D Non-Exempt: D VIE DO YOUR NOT ON DIVIS	4! Generator
Verbal Approval Received: Yes □ No □ N	Wash Ray Solids
2. Destination	5. Name of Originating Site
Envisobech Tie land farm XI	HRM Shop
3. Address of Facility Operator	6. Name of Transporter
5796 US Suy 64 Farming for en	ENUTYO Lech Inc
7. Location of Material (Street Address or ULSTR)	8. State
1125 45 How 550 Ardec, NM	NY
9. Check One	
A. All requests for approval to accept oilfield exempt westes will be accompanied by a certification of waste from the C	
B. All requests for approval to accept control exempt westes will be accompanied by a certification of waste from the	j
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 provand the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	e the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
Solids generated from was	de bay operations
at Company Shop at 11	25 US Huy 550
Azdec, v.v.	TO ENVENT
	AUG2 51993
	L CON. DI
SEP = 8 1993	Landfarm I
OIL CON. DIV	A-3
DIST. 3	· · · · · ·
Gebarrells DIST. 2	<u></u>
Estimated Volume	the end of the haul):cy
SIGNATURE HELL SANSWORD TITLE CONST Sup.	DATE May 25,9
TYPE OR PRINT NAME VOR FARMS WERTLA	TELEPHONE NO. 632-1615
(This space for State Use)	
APPROVED BY Jenny D. Faunt TITLE Geolo	09 15 T DATE 8/26/9
APPROVED BY Logue Wille TITLE Env Base	un Chief DATE 9/1/93

CONDITIONS OF APPROVAL, IF ANY:

Current T-cipon File,

5. 5.	
REQUEST FOR APPROVA. O ACCEPT SOLID WASTE	1^XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1 RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes 🗆 No 🗅	Wash Bar. Solids
2. Destination	5. Name of Originating Site
EnviroLech Tie (and farm 2	HAM Chan
3. Address of Facility Operator	6. Name of Transporter
5796 US bluy 64 Farming for e	•
7. Location of Material (Street Address or ULSTR)	8. State
	NY
11X US Huy 550 Ardec, NM	7070
9. <u>Check One</u>	
☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from	the Generator; one certificate per job.
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste st	
Mexico Environment Department or other appropriate government agency; two certificates per job. G. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to	o 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.	
RRIEF DESCRIPTION OF THE MATERIAL:	
Salida acuardad Com	and be a second
JULIAN GENEVASEA From WE	ask day operations
Solids generated from we at Company Shop at	11) - US How 55
	1133 as 150 4 350
Ardec, N.M.	
The state of the s	
	ECEIVEII
	4100 £ 1003
•	AUG2 5 1993
	L CON !
	DIST. 3
Ce Cearrells	
stimated Volume)cy Known Volume (to be entered by the operator	or at the end of the haul):c
heraby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE JUST JAMSWOOTH TITLE CONST SO	yst DATE Mug 25,0
TYPE OR PRINT NAME VOR FARMS WORTH	
YPE OR PRINT NAME / CON HARVS WARTH	TELEPHONE NO. 10 33-10/3
This space for State Use)	2121 k
APPROVED BY Derry 2. Four TITLE GOO!	09/ST DATE 8/20/9
<i>-</i>	/ /
APPROVED BY TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:	
Christ To Cha on File.	

Sent 8/26/93



5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location:_	1125 US	Hay 550	Az La Han
Source of Contaminatio		/	· · · · · · · · · · · · · · · · · · ·
Generator: //PM /	i e	/_	Muggar ent
Generator: 1910//	JULI GOUY HOW	(USDIVI	/ mag en ent
Disposal Location: En	Hillt	Remediation Si op, New Mexico Landí	
"We, the transpor	ters certify	the material h	nauled
from the above lowith and is the mentioned General been added."	cation has no e same mater	t been added to ial received	o or mixed from the above
	Name: Va	al Facuswine	2 <i>H</i>
	Company: _6	enviro Lock	The
	Signature	Jul Len	rowally
	Date:	m 25 93	



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 Annaurant
Date of TCLP
Name
Company HRM
site 1125 US Huy 550
Source Wash Bay
Date May 25 1993

REQUEST FOR APPROVAL (O ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: D Non-Exempt: 文	4. Generator
Verbal Approval Received: Yes □ ON63 □RITION DIVISIO	Mosic Oic
2. Destination	5. Name of Originating Site
ENLIRATECH SON ROMEDIATION FACILITY HILLER HM	B00000 34-10
3. Address of Facility Operator	6. Name of Transporter
5796 03. Hwy 64-3014 FARMINSTON, NM 87401	EDUIROTECH INC.
7. Location of Material (Street Address or ULSTR)	8. State
BONDED 34-10 SZS, T34N, PIOW, NMPM	Coucraso
9. Check One	·
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Ge	perator: one certificate per job.
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status fr	
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 and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	the material is non-hazardous
All transporters must certify the westes delivered are only those consigned for transport.	

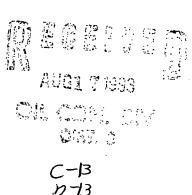
BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARDON CONTAM INATED SOIL FROM
COMPRESSOR / SCANNASOR PIT AREA, MORIL OIL BONDAD, LAPATA CONTY
CO.

DECENTED

SEP = 81993

OIL CON. DIV

OIST. 3



	DIST. 3	D-13
Estimated Volumecy	Known Volume (to be entered by the operator at th	e end of the haul):cv
SIGNATURE THE Internation above true and complete		DATE \$6-93
TYPE OR PRINT NAME	AND NISLUGAR YES	TELEPHONE NO. 632-0615
(This space for State Use)		
APPROVED BY Denny S. Lou	M TITLE GEOLOG	15T DATE 8/20/93
APPROVED BY England	TITLE Enn Bow	on Oh DATE 9/2/93
CONDITIONS OF APPROVAL, IF ANY:		
nat- 1- t	O Tag	

REQUEST FOR APPROVA O ACCEPT SOLID WASTE	<u> </u>			
1. RCRA Exempt: 口 Non-Exempt: 区	4. Generator			
Verbal Approval Received: Yes □ No □	Mobil Dil			
2. Destination	5. Name of Originating Site			
ENUIROREH SOIL REMEDIATION FACILITY HILTER NH	Color100 32-7			
3. Address of Facility Operator	6. Name of Transporter			
5796 US HUY 64-3014, FARMINGTON NIM	ENVIRONER INC.			
7. Location of Material (Street Address or ULSTR)	8. State			
COLORADO 32-7 S9 T32H, 127W	Cowrapa			
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. G. All requests for approvel 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: HYDIZOCARBON CONTAMINATED SOIL FROM
COMPRESSOR / SEPARATOR PIT AREA, MOIDIR OIL COLORADO 32-7
LAPLADA COUNTY, CO.

RECEIVED

AUG1 7 1993,
OIL CON. DIV.J
DIST. 3

Estimated Volume
SIGNATURE UNI FAMILIE TITLE UNIT SUPERIOR DATE 8-6-93
TYPE OR PRINT NAME VERY FACUSINA ME TELEPHONE NO. 637-0615
APPROVED BY Sum Sand TITLE Geologist DATE 8/20/93 APPROVED BY Sum Sand TITLE Geologist DATE 8/20/93 APPROVED BY Sum Sand TITLE Geologist DATE 8/23/93
Note Last page from BIH Need to 90 to Sentate - 8/26/93

ENVIROTECH INC.

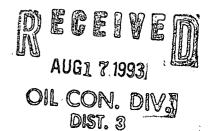
Underground Tank Testing . Site Assessment . Site Remediation

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

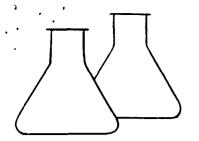


Originatin	g Location	n: MOBIL	0,2,	COLORADO	32-7	, LA Plana	Co.Co
Source: Co	MORESTO	/509A2A50	Q PAT	Aczen			
Disposal L	ocation:_	Envirotech	Soil Re	mediation p, New Me	Facil	ity. (ES)	RF)

"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 EXP U.S. TNC. concur with the status of the waste from the subject site.

Name PETER W. RICHARDSON
Title/Agency Environmental + KEGULATORY ENGINEERING ADVISOR
ENGINEERING ATVISOR
Address MOBIL OIL 12450 GREENS POINT
HOUSTON TX 77060
Signature Liter W. Richardin
•
Date 8-10-93



5796 US Highway 64-3014 • FARMINGTON, New Mexico 87401 Phone: (505) 632-0615 • Fax: (505) 632-1865

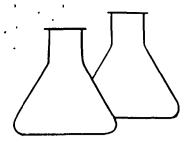


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	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 Perce	Percent Recovery		
	Bromochloromethane Bromofluorobenzene	91 % 99 %		





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.

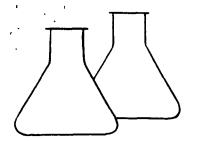
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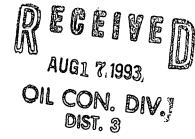
Colorado 32-7

Compressor Pit Closures

Analyst

Review





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:

D	~	~	_	m	_	+	_	~	
r	a	Τ.	a	m	е	L	e	I	

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.

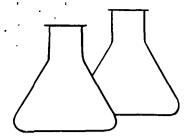
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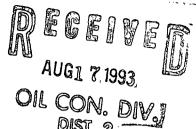
Colorado 32-7

Compressor Pit Closures

Alexand. Office

Monin 1) Young Review





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.

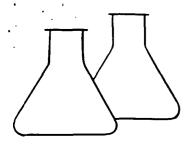
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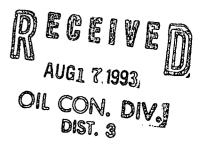
Colorado 32-7

Compressor Pit Closures

Analyst L. afeller

Review Young





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 Levelo (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:

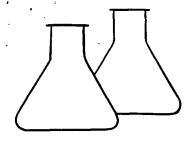
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Colorado 32-7 Compressor Pit Closures

Analyst Gener

Review Young



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



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: Preservative:

Soil Cool Date Received: 07-26-93 07-27-93 Date Analyzed:

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,

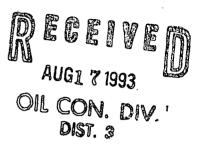
July 1, 1992.

Comments:

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

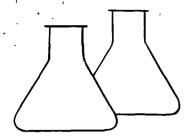
Colorado 32-7 , Compressor Pit Closures.

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



QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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

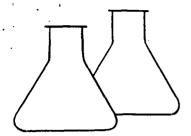


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	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

•		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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	2	89 %
		Bromofluorobenzene	•	105 %





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:

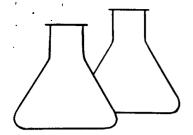
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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Review





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	Pe	ercent Recovery
	2-fluorophenol		98 %
	2,4,6-tribromoph	enol	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.

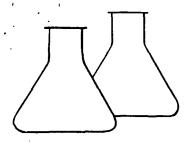
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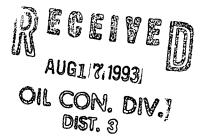
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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EPA METHOD 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

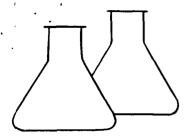
Note:

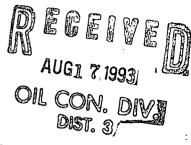
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Review Joung





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: NΑ Analysis Requested: TCLP Date Analyzed: 07-30-93 Condition: NA Date Extracted: NA

	Instrument	Extraction Sol.	Det.
•	Blank	Blank	Limit
Parameter	(mg/L)	(mg/L)	(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	ИD	, 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

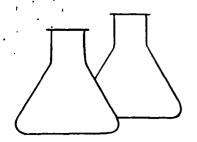
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

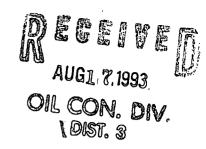
ND - Parameter not detected at the stated detection limit.

Comments:

J. Course

Parriage



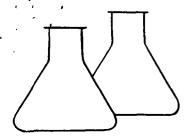


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

		Det.	Regulatory
•	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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	, N D	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 Perc	ent Recovery
	Bromochloromethane	90 %
	Bromofluorobenzene	94 %





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:

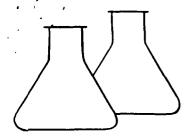
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

francis of Gelle

Review



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:	07-30-93
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	Per	cent 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.

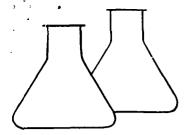
Note:

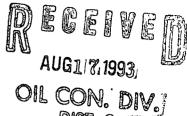
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Review Young





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-fluorobiphenvl	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:

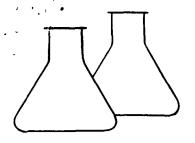
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction and 8090 Concentration Method Blank

Aland. Consuler

Review Journa





EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client: Sample ID:	NA Method Blank	Project #: Date Reported:	NA 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:	
		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	ИD	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:

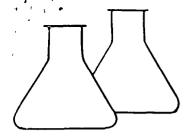
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

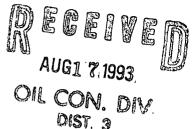
ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst S. Cylinder

Review D. Young





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

Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	NA NA NA TCLP Extr TCLP NA		Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted:	NA 08-02-93 NA NA 07-30-93 NA
	Spike	-		
	Added	Result	Result	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	Recovery
ARSENIC	0.100	0.003	3 0.108	105
BARIUM	10.0	3.8	13.9	101
CADMIUM	0.050	0.014	9.064	100
CHROMIUM	0.100	ND	0.099	99
LEAD	0.100	0.008	3 0.103	95
MERCURY	0.025	0.003	3 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

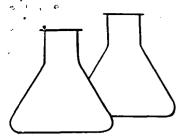
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Revi



AUGI/7,1993)

** QUALITY ASSURANCE

MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

EPA METHODS 8010/8020 CON. DIV.

Client:
Sample ID:

Sample ID: Laboratory Number: Sample Matrix:

Analysis Requested: Condition:

NA

Laboratory Spike

5760-S-TCV. Soil

TCLP 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	ИD	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:

L. Clienou

Analyst

Review

CHAIN OF CUSTODY RECORD

Client/Project Name 9	13/7 Z		Project Location C	abrido SOR PIT	32-7 - Cue	હાંડ				1A	IALYSIS.	/PARAM	IETERS		
Sampler: (Signature)		,	Chain of Custody Ta	ре No.			÷ Si B	3%	14500					 Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		No. of Containers	1224 1227	Par.						
COMPOSITE	7/23/43	10:01	5744	Son			7.	/							
		*	PECT.						-			-	-	 	
		, ca	AUGU 7 199, DIST. 3	13 U											
			DIST. 3												
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Relinquished by: (Signature)		2		Date	Time	Received t	by: (S	Signature)	. /	上 つ,	<u> </u>			 Date	Tim/
Relinquished by: (Signature)	SE T	The state of the s		126/53	8:30	Received t	<i>els</i> by: (S	ignature)		jeu	ucu	<u> </u>		7-26 93	os i se
Relinquished by: (Signature)						Received b	by: (S	iignature)							
						<u> </u>					<u>_</u>			 L	

Envirotech Inc.

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



Uned States Department of Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY P.O. BOX 315 IGNACIO, COLORADO 81137

.AUG 1 .9 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,

Superintendent

DECEIVE

AUG2 0 1993

OIL CON. DIN. DIST. 3

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

Omiginating Tagation	No.3X SEC. 36, T34N, RIC	Sid, A
	1: BONDAD 34-10 No.4-25, SEC. 25, T34N, PK	<u> </u>
Source of Contaminat	ion: COMPRESSOR EARTHEN PITS	_
Generator: MoBic	OIL Press. No: 93172-03 (4-5), 9317	<u>2</u> -04
Disposal Location:	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2	_
		•
		-
with and is	location has not been added to or mixed the same material received from the abov rator, and that no additional materials hav	
	Name: MICHAEL K. CHIE	
	Company: ENVIROTECH MC	
	Signature: Mille	
	Date: 9/16/53	•

THE BEAUTIER OF RELIGIOUS ON THE STATE OF TH	
REQUEST FOR APPROVAL TO ACCEPT SOLIDE WASTE	^XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt: Solution Am 9 43	4. Generator
Verbal Approval Received: Yes DECINOTED BY 3 10	Mobil Oil
2. Destination	5. Name of Originating Site
ENUIROREH Soil REMEDIATION FACILITY, HILTER NH	ColorADe 32-7
3. Address of Facility Operator	6. Name of Transporter
5796 US HWY 64-3014 FARMINATED NM	ENVIROTER INC.
5796 US HWY 64-3014 FARMINGTON NM 7. Location of Material (Street Address or ULSTR)	8. State
C	Courage
(SLOZADO 32-7 S9 T3ZH, R7W	Cocciones
9. Check One	İ
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Gr	enerator; 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 Mexico Environment Department or other appropriate government agency; two certificates per job.	om the Generator and the New
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 westes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBOD CONTAMINA COMPRESSOR / SEPARATOR PIT AREA, MO	760 SOIL FROM 32-
COMPRESSOR / SEPARATOR PIT AREA, MO	BIC DIC CEGIZIES SS
LAPANA COUNTY, CO.	
· ·	
	THE SEE SUR IN
	AUGI 7.1993
DEGELVEN	AUGI 7.1993. OIL CON. DIV.
	AUGI 7.1993
SEP - 8 1993	AUGI 7.1993 OIL CON. DIV.
SEP-81993 OIL CON. DIV	AUGI 7.1993 OIL CON. DIV. DIST. 3
SEP - 8 1993	AUGI 7.1993 OIL CON. DIV.
SEP-81993 OIL CON. DIV	AUGI 7.1993 OIL CON. DIV. DIST. 3 C-13 D-13
SEP-81993 OIL CON. DIV	AUGI 7.1993 OIL CON. DIV. DIST. 3 C-13 D-13
SEP - 8 1993 OIL CON. DIV DIST 3 Estimated Volume (to be entered by the operator at the	AUGI 7.1993 OIL CON. DIV. DIST. 3 6-13 5-13
SEP - 8 1993 OIL CON. DIV DIST: Estimated Volume	AUGI 7.1993 OIL CON. DIV. DIST. 3 C-13 D-13 The end of the haul): 210 DATE 8-6-93
SEP - 8 1993 OIL CON. DIV DIST Estimated Volume Cy Known Volume (to be entered by the operator at the Thereby certify that the information above is true and complete to the best of my knowledge and belief.	AUGI 7.1993 OIL CON. DIV. DIST. 3 C-13 b-13 te end of the hault: 210 2 1-63
SEP - 8 1993 OIL CON. DIV DIST 3 Estimated Volume Cy Known Volume (to be entered by the operator at it Thereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE DIVE Supplement TITLE DIVE Supplement TYPE OR PRINT NAME Supplement AUGI 7.1993 OIL CON. DIV. DIST. 3 C-13 D-13 The end of the haul): 210 DATE 8-6-93	
SEP - 8 1993 OIL CON. DIV DIST: Estimated Volume Cy Known Volume (to be entered by the operator at the linear certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TYPE OR PRINT NAME TYPE OR PRINT NAME (This space for State Use)	AUGI 71993 OIL CON. DIV. DIST. 3 C-13 D-13 Description of the hault: 210 DATE 8-6-93 TELEPHONE NO. 632-D665
SEP - 8 1993 OIL CON. DIV DIST 3 Estimated Volume	AUGI 71993 OIL CON. DIV. DIST. 3 C-13 D-13 Description of the hault: 210 DATE 8-6-93 TELEPHONE NO. 632-D665
SEP - 8 1993 OIL CON. DIV DIST: Estimated Volume Cy Known Volume (to be entered by the operator at the Interest certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TYPE OR PRINT NAME TYPE OR PRINT NAME THE TAXABLE AND TO THE TOP TO THE	AUGI 71993 OIL CON. DIV. DIST. 3 C-13 D-13 Description of the hault: 210 DATE 8-6-93 TELEPHONE NO. 632-D665

CONDITIONS OF APPROVAL, IF ANY:

Note last page from BTAJ

ا اشه ا			
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
1. RCRA Exempt: 口 Non-Exempt: 文	4. Generator		
Verbal Approval Received: Yes □ No □	Mosic Oic		
2. Destination	5. Name of Originating Site		
ENLIRATER SON ROMEOIATION FACILITY, HILLIES, NH	Banda 34-10		
3. Address of Facility Operator	6. Name of Transporter		
5796 03. Hwy 64-3014 FARMINGTON, NM 87401	EDUIZOTECH IX.		
7. Location of Material (Street Address or ULSTR)	8. State		
BONDAD 34-10 525, T340, PIOW NMPM	ColorADO		
9. Check One			
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the G	enerator; 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 westes delivered are only those consigned for transport.			
BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARRON CONTAMINATION	ED SOIL FROM		

COMPRESSEAR / SCAMPATOR PIT AREA, MOBIL OIL BOWOAD, LAPLATA COUNTY,

Co.

PEGEIVED AUGI 7.1993, DIL CON. DIV. DIST. 3

Estimated Volume	d of the hault:cv
SIGNATURE JULY TAMENTAL TITLE Court Supt	DATE \$6-93
TYPE OR PRINT NAME VERY FARY SWAR FLAT TE	LEPHONE NO. 632-0615
(This space for State Use) APPROVED BY Demy S. Fount TITLE Geologis	T DATE 8/20/93
APPROVED BY June Gard TITLE Great	DATE 8/23/83
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 REMEDIATIO

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

RECEIVED

AUGI 7.1993.
OIL CON. DIV.;
DIST. 3

CERTIFICATE OF WASTE STATUS

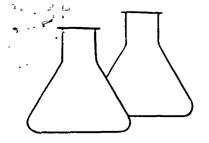
NON-EXEMPT WASTE MATERIAL

Originating Location: Hope On, Benda 34-10, LA RATA Co., CO.
Source: Compensor / SEPARATOR PIT ACTA
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 SP US. TWC. concur with the status of the waste from the subject site.

Name PETER W. RICHARDSON
Title/Agency ENVIRONMENTAL & REGULTORY ENGINEERING ADVISOR
Address MOBIL OIL 12450 GREENS POINT
Address Mobil Oil 12450 GREENS POINT
Signature Peter W. Richardson
Date 8-10-93



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

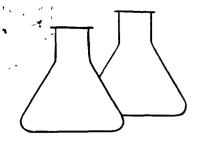


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	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		Reco	very
	Bromochloromethane	<u> </u>	102	%
	Bromofluorobenzene	<u> </u>	100	%





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

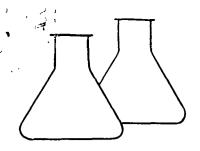
ND - Parameter not detected at the stated detection limit.

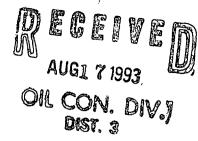
Comments:

Compressor Pit Closures, Bondad

Analyst

Review





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

Parameter

CHDDDCGAME	RECOVERIES:
DUNNUULI	VUCCARVIDA:

2-fluorophenol	98 %
2,4,6-tribromophenol	96 %

Percent Recovery

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

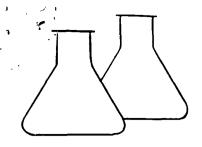
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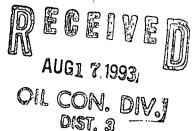
Comments:

Compressor Pit Closures, Bondad

Molecular Children
Analyst

Review Gorma





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:

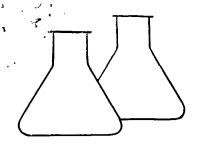
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

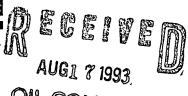
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Comments:

Compressor Pit Closures, Bondad

Review 1





OIL CON. DIV.)

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:

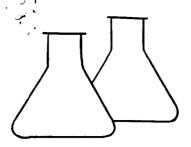
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

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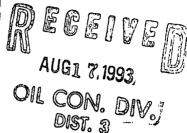
Comments: Compressor Pit Closures, Bondad

Analyst S. Collinson

Review Joung



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RCRA CHARACTERISTICS

Client: Sample ID:

Lab ID#:

Sample Matrix: Preservative:

Condition:

Mobil Oil Composite

5758

Soil Cool

Cool & Intact

Project #: 93172

Date Reported: 07-27-93 Date Sampled: 07-26-93

Date Received: 07-27-93

Date Analyzed: 07-27-93

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

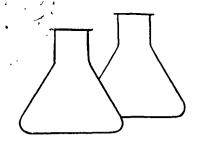
Cu Chaharley

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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



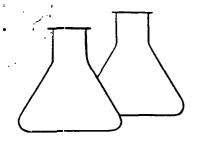
AUGI. 7.1993,
OIL CON. DIV.)
DIST. 3

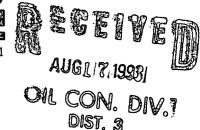
EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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 R	ecovery
		Bromochloromethan	a	89 %
		Bromofluorobenzen	<u> </u>	.05 %





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:

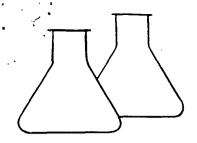
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

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OIL CON. DIVI DIST. 3

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 p,m-Cresol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol Pentachlorophenol	ND ND ND ND ND	0.020 0.040 0.020 0.020 0.020	200.0 200.0 2.0 400.0 100.0
SURROGATE RECOVERIES:	Parameter	Per	cent Recovery
	2-fluorophenol 2,4,6-tribromoph	enol.	98 % 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.

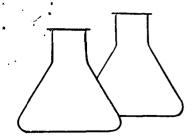
Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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:





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	Det. Limit	Regulatory Limit
Parameter	(mg/L)	(mg/L)	(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

CUBBAGARA	DESCRIPTION	
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

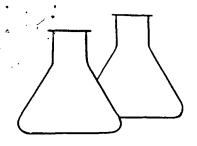
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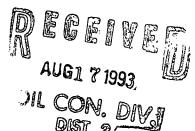
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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EPA METHOD 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

	Instrument	Extraction Sol.	Det.
	Blank	Blank	Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
	175		
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

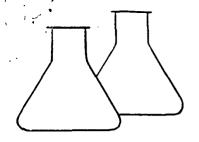
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

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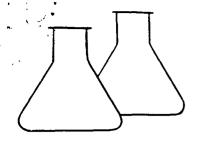


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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 %





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:

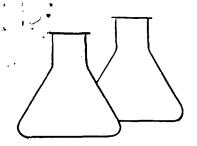
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

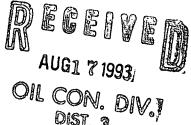
ND - Parameter not detected at the stated detection limit.

Comments:

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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:	\mathtt{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	Per	cent 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.

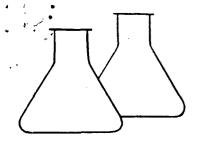
Note:

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:

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OIL CON. DIV.

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

	Concentration	Det. Limit	Regulatory Limit
Parameter	(mg/L)	(mg/L)	(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.

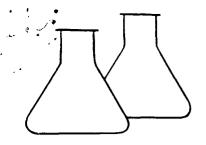
Method 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

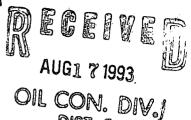
Note:

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.

TCLP Extraction and 8090 Concentration Method Blank





DIST. 3

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	ИD	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:

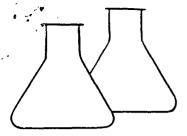
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Allen A. Cylllen Analyst

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OIL CON DIV.

** QUALITY ASSURANCE EPA METHODS 8010/802Q MATRIX SPIKE - AROMATIC / HALOGENATED VOLATILE ORGANICS

Client: Sample ID:

Laboratory Number: Sample Matrix: Analysis Requested:

Condition:

NA

Laboratory Spike 5760-S-TCV.

Soil TCLP 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	ИD	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

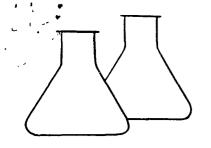
ND - Parameter not detected at the stated detection limit.

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Comments:

Analyst

Pavia D. Com



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

Client: Sample ID: Laboratory Numb Sample Matrix: Analysis Reques Condition:	TCLP Ext	tract	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted:	NA 08-02-93 NA NA 07-30-93 NA
	-	Sample		
· ·		Result		
Parameter	(mg/L)	(mg/L)	(mg/L)	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 C	RITERIA:	Parameter	Acceptance	Range %

Method:

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

TCLP Metals

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

80 - 120

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

ND - Parameter not detected at the stated detection limit.

Comments:

Cheman Analyst

#### **CHAIN OF CUSTODY RECORD**

Client/Project Name			Project Location (	OMARESO	102 P17						-					
11 . 2	0-1-	_	· · · · · ·	Cic	SURES	1				ANA	LYSIS/F	PARAM	ETERS			•
MaBic Oic Sampler: (Signature)	9317	<u> </u>	Chain of Custody Ta					<del>(8)</del>			<del></del>	r	<del></del>			
Sampler: (Signature)		7	Chain of Custody 18	іре мо.				3 (3)			ŀ				Remarks	
Willes.		e2					No. of Containers	2 6-								
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		Cont	3 6						<del> </del>	<del></del>	
								7					<u> </u>			
Composite	7/26/93	1330	5758	Soi	1		2									
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Mille		Se de	2	27/93	7:30	1	) Sex	ا ب	Z.	(1) (1)	LLEI				7-27-93	7/32
Relinquished by: (Signature)	<del></del>					Receive	d by: (S	ignature)		7						
						<u> </u>						<del></del>				
Relinquished by: (Signature)						Heceive	d by: (Si	ignature)								
					L	<u> </u>										

#### Envirotech Inc.

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



## Uned States Department of the Interior

#### BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY P.O. BOX 315 IGNACIO, COLORADO 81137

IN REPLY REFER TO:

.AUG 1 9 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,

Superintendent

ECELAPIC

AUG2 0 1993

OIL CON. DIV. DIST. 3



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 #4 Sec. 4, T324, R7W, N
Source of Contamination: Compressor / SEPARATOR EARTHEN PIT
Generator: Hobic Oic Prol No: 93172-02
Disposal Location: Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2
C3/5
"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 abomentioned Generator, and that no additional materials habeen added."
Name: MICHAEL K. LANE  Company: ENVIROTECH INC.
Signature: <u>Mil. A. Co.</u> Date: <u>Ser. 17, 199.3</u>

•	
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: ✓ Non-Exempt: □	4. Generator
Verbal Approval Received: Yes & No D	Meridian Oil Inc
2. Destination	5. Name of Originating Site
Envirotech Tie Cardfarm #2	Val Verde Plant
3. Address of Facility Operator	6. Name of Transporter
PO Sox 4289	Garcia Savitation
7. Location of Material (Street Address or ULSTR)	8. State
Valverde Plant Bloomfield, un	NN
3. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from th	e Generator; one certificate per job.
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste state Mexico Environment Department or other appropriate government agency; two certificates per job.	us from the Generator and the New
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	rove the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
RIEF DESCRIPTION OF THE MATERIAL:	
Activated carbon Liller n	edia

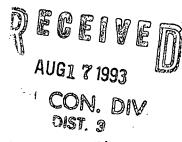
DEGETVED AUGÍ 7 1993 OIL CON. DIV

			A-22
Estimated Volume	cy Known Volume (to be entered by the oper	ator at the end of the haull:	сү
hereby certify that the information above is true and of SIGNATURE well farman	complete to the best of my knowledge and belief.	Just DATE	8-13-93
TYPE OR PRINT NAME	Facusward	TELEPHONE NO.	0/45
APPROVED BY Deny 2,	Found TITLE GEE	ologist DATE	8/20/93
APPROVED BY Musical	Bruly TITLE Come	DATE	8/13/93
CONDITIONS OF APPROVAL, IF ANY:			

# Enviro. Sh Exempt Waste Mannest Meridian Oil Inc.

PO Box 4289, Farmington, NM 87499

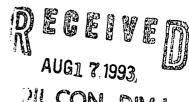
OI afety and nvironmental	1.	Waste Location: Lease/Well No. Val Verde Plant.						
	2.	Volume: 62 Cubic Yards Barreis Gallons						
	3.	Description of Waste: Activated carbon filter  media.						
	4.	Method of Waste Generation: DEA Filtering Process at  the Val verde Plant.						
	5.	Disposal Cost:						
	6.	This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.  Approval for Disposal Date 1/93						
MOI On Site Representative		Transportation Company: Sancia Santitarian  Date(s) Transported: 8-12-93  MOI Representative on Site Sent Stanfunding Date 8-12-93  isignature)						
Envirotech Complete and atum to Jedgian Safety and Environmental		Date(s) Received: 8/12/93  Total Volume Received: 3 yd 5  Waste Location: Cell/Grid No. Landfarm#2 A 22						
nth invoice.		Received By: Marany Wallace) (signature)						



# Envirotech Inc.

Underground Tank Testing • Site Assessment • Site Remediation

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



#### CERTIFICATE OF WASTE TRANSPORT

DIST. 3

Originating Location	: Val verde Klant
Source of Contaminat	ion: Activated Carbon Filter media
Generator: <u>DEA</u> Fi	Itering Process at the Val Verde Plant
Disposal Location:	Envirotech Soil Remediation Site,  Hilltop, New Mexico  Landfarm #1 Landfarm #2
-	
from the above with and is t	orters, certify the material hauled location has not been added to or mixed the same material received from the above cator, and that no additional materials have
	Name: Steve Fitzpateux company: Garcia's
	Signature: Sun Manual 1

	93101					
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxx					
1. RCRA Exempt: Non-Exempt:	4. Generator					
Verbal Approval Received: Yes № No □  **Levy F 8-11-93**	Mobil Production					
2. Destination	5. Name of Originating Site					
Envirolech Inc Cardfarm II	(indnith 5-25					
3. Address of Facility Operator	6. Name of Transporter					
x P.O. Box 185 BLOOMFIELD, NM 87413	k SUNCO					
7. Location of Material (Street Address or ULSTR)	8. State					
Sec 9 THN RSW	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:

Disposal Well Tank bostoms

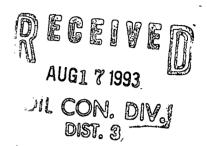
RECEIVED AUGI 7 1993 DIL CON. DIV.

				C-13
Estimated Volume		lume (to be entered by the oper	etor at the end of the haul):	80 ~~
SIGNATURE	is true and complete to the best of	/ -	ist.	DATE 8-10-93
TYPE OR PRINT NAME	el Famusu	ok th	TELEPHONE NO	32-0615
(This space for State Use)  APPROVED BY Denny	y. 2. Doug	TITLE GO	logist	DATE 8/20/93
APPROVED BY	è. Busel	TITLE	l	DATE 8/23/33
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



SECT TZYN R3W

## CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: LINDRITH B-25

Source: TANK BATTERY	
Disposal Location: Envirot	ech Soil Remediation Facility, (ESRF) Hilltop, New Mexico
that this waste is an defined by the Environ 1988 Regulatory Determing no non-exempt waste to pursuant to the provision, has been added or mitted the resultant mixture provisions of 40 CFR,	reptance for disposal, I hereby certify of oilfield production exempt waste as amental Protection Agency's (EPA) July ination. Additionally, to my knowledge, that is a "hazardous or listed waste" ions of 40 CFR, Part 261, Subparts C and exed with the exempt waste so as to make a "hazardous waste" pursuant to the section 261.3(b)."  Agent for the Mobil Production the waste from the subject site.
	Name Mobil PRODUCING  Title/Agency Foreman  Address Bloomfield New Mexico  Signature The Man Mexico  Date 8-11-97

<i>1</i>	93172-02
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	***********************
1 RCRA Exempt: 🖾 Non-Exempt: 🗆	4. Generator
Verbal Approval Received: Yes No D	
	Moisic Oic
2. Destination	5. Name of Originating Site
ENUIROTECH SOIL REMEDIATION FACILITY HILTER HM	COLORADO 32-7#5
3. Address of Facility Operator	6. Name of Transporter
5796 US HWY 64-3014, FARMINGTON, MM 87401	ENVIRENCE LDC.
7. Location of Material (Street Address or ULSTR)	8. State
Consess 32-7 #5 SEC9 T32H R7W HMA	1 Corras
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	
B. All requests for approval to accept non-cilfield exempt wastes will be accompanied by a certification of waste status  Mexico Environment Department or other appropriate government agency; two certificates per job.	s from the Generator and the New
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to pro	ove 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,	<del></del>
BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARUSON CONTAMINA	750 Soil From
DEHYDRATOR PIT AREA, MOBIL DIL WER SALES LINE, LA PLATA COUNTY, CO	4 / WILLIAMS FIRD STRUIT
DEMYDRATOR PIT TREATY	e / Price MP13 / Tests
SALES LINE LA PUETA COUNTY, CO	
	neceivem
	41100 11000
	AUG1 7 1993.
and the second s	or con. div.i
•	, and the second
	DIST. 3
	Landfarm#2
	1011 5-13
Estimated Volume cy Known Volume (to be entered by the operator at	the end of the haul): 794 p cy
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE IN FINANCIAL TITLE ONT SUS	DATE 8-12-9
TYPE OR PRINT NAME VENEL FACTORINAL	TELEPHONE NO. 63 2 - 0615
TYPE OR PRINT NAME VEVEL FACTORINATES	TELEPHONE NO. USS VISIS
	<del></del>
(This space for State Use)	<i>-</i>
APPROVED BY Demy 21 Fount TITLE Geolog	157 DATE 8/20/9
ADDROVED DY G ASSESSED TITLE CO.D.	DATE 8/23/9
APPROVED BY June Bully TITLE Colof	UAIE Of SE
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

AUGI 7 1993,
OIL CON. DIV.

DIST. 3

#### CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originat	ing Location	on: MOBIL	OIL, C	ourago	32~7 #5	LA RATE CO	,C
Source:_	SEPARATES	2 DEHYDR	MOR	Pir			
Disposal	Location:	Envirotech		nediation , New Me		(ESRF)	

"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 MOBL EXP US. INC. concur with the status of the waste from the subject site.

Name ETER W. RICHARDSON
Title/Agency ENVIRONMENTAL + REGULATORY
ENGINEERING ADVISOR
Address MOBIL OIL 12450 G-REENS POINT HOUSTON TEXAS 77060
Signature Pety W. Richardon
Date8-10-93



## Uned States Department of L Interior

#### **BUREAU OF INDIAN AFFAIRS**

SOUTHERN UTE AGENCY P.O. BOX 315 IGNACIO, COLORADO 81137

.AUG 1 9 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,

Superintendent

DECEIVE

AUG2 0 1993

OIL CON. DIV. DIST. 3

LF - 93/03 93/72-01

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	11: COLORADO 32-7 #5, SEC. 9, T324, R7W, NHAM
Source of Contamina	tion: Compressor SEPARATOR & DEHY PITS
Generator: Mosic	OIL PROJ. No: 93172-01
	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2
·	· · · · · · · · · · · · · · · · · · ·
mentioned Gene been added."	erator, and that no additional materials have
	Name: MICHAEL K. LANE
	Company: ENVIRDTEH /NC.
·	•

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: 1. RCRA Exempt: Non-Exempt: 1. RECE.VED  Verbal Approval Received: Yes No	4. Generator
	El Paso Nat Gas Co
2. Destination 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	5. Name of Originating Site
Envirolect Cardfacus #2	Cinerith Plant
3. Address of Facility Operator	6. Name of Transporter
Boy 4990 Farming for NM  7. Location of Material (Street Address or ULSTR)	El Paso
7. Location of Material (Street Address or ULSTR)	8. State
Cindrith Plant	NM.
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Ge	DEEFYE
B. All requests for approval to accept non-pitfield exempt wastes will be accompanied by a certification of waste status fr	om 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 and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	the material is non-hazardous
	OIL CON. DIV
All transporters must certify the wastes delivered are only those consigned for transport.	DIST. 3
BRIEF DESCRIPTION OF THE MATERIAL:	
one event - Soils semenated de con	
on-exempt - Soils generated from com	pressor engine
ou spelle	
4	:
Vennt - Soils generated from one	fill of an UST
Trupt - John gorina Ces from	
	AUG1101993
	OIL CON. DIV.
	0157. 3 J-5
3m2-40D	113 (1)
Estimated Volume (to be entered by the operator at the hereby certify that the information above is true and complete to the best of my knowledge and belief.	e end of the haul):
SIGNATURE Jul famines TITLE Cons Su	pt DATE 8-9-93
Man / Financial	( 20 , 1/ , -
TYPE OR PRINT NAME VERY FARISWORKS	TELEPHONE NO. (652 - Ola) 5
(This space for State Use)	
APPROVED BY Denny 2, Found TITLE GOODO	DATE 08/10/9
APPROVED BY Kathy M. Brown TITLE Geology	DATE 8/13/97
/	
conditions of approval, if any: Approved but materials in i	ted together
so needed vetest.	-

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: 42 Non-Exempt: 42 Verbal Approval Received: Yes \( \Bar{\text{Ver}} \) No \( \Bar{\text{U}} \)	4. Generator
100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 -	El Paso Nat Gas Co
2. Destination	5. Name of Originating Site
Enviroled Cardfacu #2	Cinerith Plant
3. Address of Facility Operator	6. Name of Transporter
Box 4990 Farmington, NM	
7. Location of Material (Street Address or ULSTR)	8. State
Cindrith Plant	NN
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste fro	m the Generator: one certificate per job
B. All requests for approval to accept non-cilfield exempt wastes will be accompanied by a certification of waste	
Mexico Environment Department or other appropriate government agency; two certificates per job.  ———————————————————————————————————	to prove the material is non-hazardous
and the Generator's certification of origin. No weste classified as hazardous by listing or testing will be appro	
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
in everyt - Soils generated from co	m pressor engine
in everyt - Soils generated from co	,
$\not\leftarrow$	
	me sill of an UST
grent - Soils generated from o	neifer of an us/
	(U) (U)
	AUG1101993
	OIL CON. DIV.
	\ DIST. 3
Estimated Volume   700-400 cy Known Volume (to be entered by the opera	edge on the end of the bestly
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
TYPE OR PRINT NAME VERY FARISWORKS	Jupt DATE 8-9-93
1/2.	
TYPE OR PRINT NAME VERY FARMS WORLD	TELEPHONE NO. 632 -065
(This space for State Use)	· · ·
APPROVED BY Dany J. Family TITLE GEO.	10915/ DATE 08/16/9
APPROVED BY TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY: ROSE - 8/10/3	



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)

anu Pundan

#### 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 "nonexempt" 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: Ann Pundani

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: Unu Pundan

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

Company: El Paso Natural Gas

Address: P.O. Box 4990; Fmn 87499



ATI I.D. 307322

July 28, 1993

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

Project Name/Number: LINDRITH POND / 500 ( () () 5

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

Enclosure

GJ:td

Corporate Offices: 5550 Morehouse Drive San Diego, CA 92121 (619) 458-9141

Gregory R. Jordan

Laboratory Manager



: 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
		The second second	
02 03	N307/1 - 31 1. e 1 N30772 - Soil Pile HZ	NON-AQ NON-AQ	07/08 <b>/</b> 93 07/08 <b>/</b> 93
	•	-	•



----TOTALS----

# SAMPLES NON-AQ

### ATI STANDARD DISPOSAL PRACTICE

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



### GENERAL CHEMISTRY RESULTS

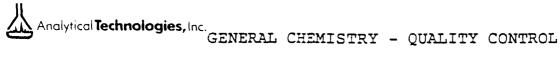
ATI I.D. : 307322

CLIENT : EL PASO NATURAL GAS CO.
PROJECT # : (NONE)
PROJECT NAME : LINDRITH POND / Soil (Nile S DATE RECEIVED: 07/09/93

REPORT DATE : 07/28/93

UNITS 01 02 03 PARAMETER

NEG IGNITABILITY (ATI P10.618) NEG NEG



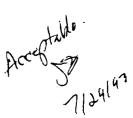
CLIENT

: EL PASO NATURAL GAS CO.

PROJECT # : (NONE)
PROJECT NAME : LINDRITH POND /501 1165

ATI I.D.: 307322

	 	 		~~~~~		
PARAMETER	ATI I.D.	RESULT			CONC	REC
IGNITABILITY	 30732201	NEG	NA		NA	NA



% Recovery = (Spike Sample Result - Sample Result)
----- X 100 Spike Concentration

RPD (Relative Percent Difference) = (Sample Result - Duplicate Result)

Average Result



METALS RESULTS

ATI I.D. : 307322

DATE RECEIVED: 07/09/93

CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME : LINDRITH POND / 501/199 REPORT DATE : 07/28/93

	70.		_	011/20/93
PARAMETER	UNITS	01	02	03
SILVER (TCLP 1311/6010) ARSENIC (TCLP 1311/6010) BARIUM (TCLP 1311/6010) CADMIUM (TCLP 1311/6010) CHROMIUM (TCLP 1311/6010) MERCURY (TCLP 1311/7470) LEAD (TCLP 1311/6010) SELENIUM (TCLP 1311/6010)	MG/L MG/L MG/L MG/L MG/L MG/L MG/L MG/L	<0.010	<0.010 <0.1 0.938 0.007 <0.010 <0.0002 <0.10 <0.1	<0.010 <0.1 0.970 0.006 <0.010 <0.0002 <0.10



METALS - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME: LINDRITH POND $|\zeta_0|$ $|\zeta_0|$ ATI I.D.: 307322

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE		₹ REC
SILVER (IN TCLP) ARSENIC (IN TCLP) BARIUM (IN TCLP) CADMIUM (IN TCLP) CHROMIUM (IN TCLP) MERCURY (IN TCLP) LEAD (IN TCLP) SELENIUM (IN TCLP)	MG/L MG/L MG/L MG/L MG/L MG/L MG/L	30732203 30732203 30732203 30732203 30732203 30732203 30732203 30732203	<0.1 0.970 0.006 <0.010 <0.0002 <0.10	<0.010 <0.1 0.944 0.007 <0.010 <0.0002 <0.10	NA NA 3 15 NA NA NA	0.967 1.1 1.95 0.976 0.953 0.0050 0.97	1.00 1.00 1.00 1.00 1.00 0.0050 1.00	0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Receptable 3

X 10

RPD (Relative Percent Difference) = (Sample Result - Duplicate Result)

Average Result



GAS CHROMATOGRAPHY RESULTS

: BTEX (EPA 8020) : EL PASO NATURAL GAS CO. ATI I.D.: CLIENT 307322

PROJECT # : (NONE)
PROJECT NAME: LINDRITH POND (40) VILLY

	SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR	
:	01 02 03	N30770 N30771 N30772	NON-AQ NON-AQ NON-AQ	07/06/93 07/08/93 07/08/93	07/12/93 07/12/93 07/12/93	07/12/93 07/12/93 07/12/93	1 1 1	
	PARAMETE	R	UNITS	01	02	03		
BENZENE TOLUENE ETHYLBENZENE TOTAL XYLENES		MG/KG MG/KG MG/KG MG/KG	<0.025 <0.025 <0.025 <0.025	<0.025 <0.025 <0.025 <0.025	<0.025 <0.025 <0.025 <0.025		- -	
BROMOFLUOROBENZENE (%)				73	85	82		



GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

TEST : BTEX (EPA 8020) ATI I.D. : 307322
BLANK I.D. : 071293 DATE EXTRACTED : 07/12/93
CLIENT : EL PASO NATURAL GAS CO. DATE ANALYZED : 07/12/93

PROJECT # : (NONE) DILUTION FACTOR:

PROJECT NAME: LINDRITH POND (501) Viles

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

Verson 3



GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

TEST : BTEX (EPA 8020)

MSMSD # : 30732201

CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME: LINDRITH POND

COLUMN (PARAMETER)

COLUMN (PARAMETER)

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

Devertable

ZNV RO'EC 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	n: Lindrith Plant
originating Locatio	$m:=\sum_{i} \frac{1}{\sqrt{C_i}} \frac{1}{$
Source of Contamina	tion: Of ANTIFreeze
Generator: EPL	C-C
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 PASO Nat GAS CO

Farmington RM

Signature: Rebail R Chay

Date: 10-6-93

· · · · · · · · · · · · · · · · · · ·	
REQUEST FOR APPR TO ACCEPT SOLID WASTE	4XXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt:	4. Generator Wash Bay Solice
Verbal Approval Received: Yes □ No □	
2. Destination	5. Name of Originating Site
Envirotech Inc land form #2	Farmington Vard E Main
3. Address of Facility Operator	6. Name of Transporter
4109 E Main	Envirotech Inc
7. Location of Material (Street Address or ULSTR)	8. State
4109 E Main	NNex
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste	e 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 vice Mexico Environment Department or other appropriate government agency; two certificates per job.	waste status from the Generator and the New
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical ana	
and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be a	approved.
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
Solids generated from Ward, 4109	Vash Bay operations E. Main
	ją e
	The same of the sa
	DECEIVEN
	AUG1 6.1993
	OIL CONTDIV. B BE
	TAISTEN O
·	9 25 STATE OF THE
	and the send of the best No.
Estimated Volume cy Known Volume (to be entered by the hereby certify that the information above is true and complete to the best of my knowledge and belief.	operator at the end of the nauli:
SIGNATURE formsweath TITLE CONFT	Supt DATE 8-3-93
TYPE OR PRINT NAME VERY FASISWORTS	TELEPHONE NO
(This space for State Use)	
APPROVED BY Denny S. Fourt TITLE GO	eologist DATE 8/6/93
Volle M Boarn Ger	
APPROVED BY A/A/I/U/II/I/I/U/I/I/I/I/I/I/I/I/I/I/I/I	UAIR D/ II

CONDITIONS OF APPROVAL, IF ANY:

<u> </u>	
REQUEST FOR APPRO TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: ☐ Non-Exempt: Д	4. Generator Wash Bay Solids
Verbal Approval Received: Yes □ No □	
2. Destination	5. Name of Originating Site
,	
Envirotech Inc land form #2	Farnington Vard E Main
3. Address of Facility Operator	6. Name of Transporter
4109 E Main	Envirotech Ivc
7. Location of Material (Street Address or ULSTR)	8. State
4109 E Main	NNex
9. Check One	
0. <u>6.1668 6.16</u>	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from	7
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste structure. 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 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 Was at Examination Vard, 4109 E.	h Ray operations Main
•	
Estimated Volume cy Known Volume (to be entered by the operator Thereby certify that the information above is true and complete to the best of my knowledge and belief.	at the end of the hault:cy
SIGNATURE ful fameworth TITLE Court Se	DATE 8-3-93
//	
TYPE OR PRINT NAME /ER/ FASYSWORTS	TELEPHONE NO
(This space for State Use)	01.
APPROVED BY Deny g. Fount TITLE Geolo	09131 DATE 8/6/93
	, , , , , , , , , , , , , , , , , , ,
APPROVED BYTITLE	DATE

CONDITIONS OF APPROVAL, IF ANY:

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

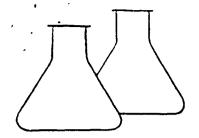
5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: 4109 E Main - Halliburton Services
Source: Wash Ray 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 HAllburter Services concur with the status of the waste from the subject site.
Name Huf J. Movis Title/Agency H.R. / H.S.E.
Address 4104 ENRIN 67401
Signature Lay 2 - Mounts
8-H-93



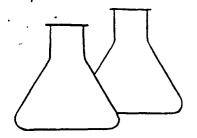
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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 Pe	rcent Recovery
		Bromochloromethane	97 %
		Bromofluorobenzene	95 %



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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:

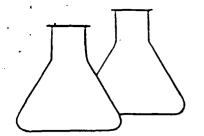
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farminton Yard

Analyst

Review Jama



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:

	_
2-fluorophenol	93 %
2,4,6-tribromophenol	92 %

Percent Recovery

Method:

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

Parameter

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

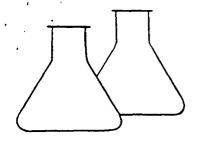
ND - Parameter not detected at the stated detection limit.

Comments:

Wash Bay, Farmington Yard

Analyst.

Review



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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	ИD	0.020	5.0
Hexachloroethane	ND	0.020	5.0
Nitrobenzene	ИD	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

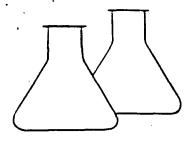
ND - Parameter not detected at the stated detection limit.

Comments:

Wash Bay, Farmington Yard

Analyst Legisler

Review 1



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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:

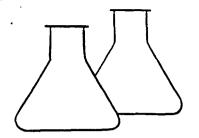
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: Wash Bay, Farmington Yard

Analyst Gener

Review Young



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

RCRA CHARACTERISTICS

Client:

Halliburton Wash Bay

92132

Sample ID:

Wash Bay

Project #: 07-27-93 Date Reported:

Lab ID#: Sample Matrix: 5760

Date Sampled: 07-27-93

Preservative:

Soil Cool Date Received: 07-27-93 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:

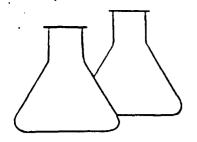
 \leq pH 2 or \geq pH 12.5 is hazardous waste.

Farmington Yard.

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



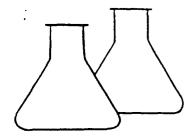
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	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
		Bromochloromethan	e 89 %
		Bromofluorobenzen	e 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:

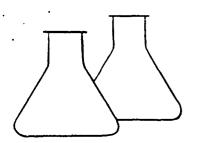
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

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. Limi (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-tribromoph	enol	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.

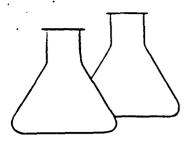
Note:

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:

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Envirotech Labs

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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

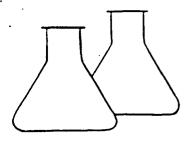
Note:

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:

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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:	08-02-93
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

	Instrument	Extraction Sol.	Det.
	Blank	Blank	Limit
Parameter	(mg/L)	(mg/L)	(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

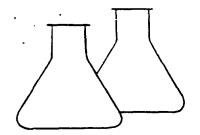
Methods 7060A, 7080A, 7131A, 7191, 7470A, 7421, 7740, 7760A Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Helm A. Geller Analyst Moris D. Young Review



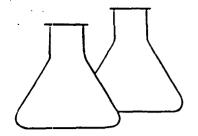
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	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

	Congontuction	Det.	Regulatory
	Concentration	Limit	Limits
Farameter	(mg/L)	(mg/L)	(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	Reco	very
		•				
]	${ t Bromochloromethane}$:	90	%
		j	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:

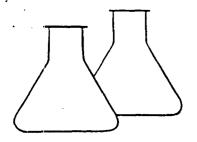
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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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:

2-fluorophenol	108 %
2,4,6-tribromophenol	102 %

Percent Recovery

Method:

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

Parameter

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.

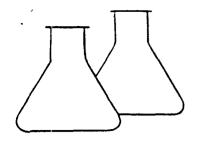
Note:

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:

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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:

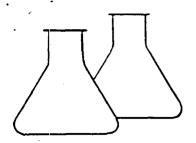
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction and 8090 Concentration Method Blank

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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:

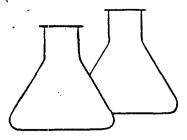
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst Heren

Maria D. Young Review



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

Client: Sample ID:

Sample ID: Laboratory Number:

Sample Matrix: Analysis Requested:

Condition:

NA

Laboratory Spike

5760-S-TCV. Soil

TCLP

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

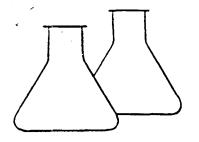
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst . Gluce

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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: Project #: NA NA NA Sample ID: Date Reported: 08-02-93 NA 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 Spike Sample Spiked Sample Added Result Result Percent (mg/L) (mg/L)Parameter (mg/L) Recovery 0.108 ARSENIC 0.100 0.003 105 10.0 3.8 BARIUM 13.9 101 0.064 CADMIUM 0.050 0.014 100 0.100 ND 0.099 99 CHROMIUM 0.008 0.103 0.100 95 LEAD 0.003 ND MERCURY 0.027 0.025 0.100 0.101 101 SELENIUM SILVER 1.00 0.01 1.01 QA ACCEPTANCE CRITERIA: Acceptance Range % Parameter ------

Method:

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

TCLP Metals

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:

Alexa Geller

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CHAIN OF CUSTODY RECORD

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Client/Project Name			Project Location			ANALYSIS/PARAMETERS							,			
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Jampier. (Signature)			Chain of Custody Tap	De No.										Remarks		1
mario D.	Gou	<u> </u>	92132				of iners	9					11.	D = c &		-
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		No. of Containers	7522					<i>N</i> ∗ /	DESTor	1481213	-
LUASHBAY	7/27/9	3 11:45	5760	50	i		1	V								-
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	-															
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Relinquished by: (Signature) Relinquished by: (Signature)	Lou-P			Date 7/27/93	Time 13:28		red by: (Sig		Line)				Date 7/27/93	1330 1300 1300	11 D1274
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						<u> </u>										

Envirotechi Inc.

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

san juan repro Form 578-81

	92 117
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes No D	El Dec Noticel 6.
2. Destination	5. Name of Originating Site
3. Address of Facility Operator	6. Name of Transporter
Es 4990 Farminger, un.	Jucca Welding & Exc
7. Location of Material (Street Address or ULSTR)	8. State
131-29 12W	NM
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste state.	I I
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 p and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	rove the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
line leek and hip sit cla	
	DESEMBE.
	AUG = 8 1949
	OIL CON. DIV
	Dest. 9
Estimated Volume cy Known Volume (to be entered by the operator	et the end of the hauli:
hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE JULY SUPER TITLE COUNTY	- Supt DATE \$ 693
Mas / France	TELEPHONE NO (132-0/015
TYPE OR PRINT NAME VENE HANS WE RELL	TELEPHONE NO. USFOUL
(This space for State Use)	
APPROVED BY Denny S. Fourt TITLE GOOL	09 IST DATE 8/6/93
	7.
APPROVED BY MINE SEALS	CA DATE 8/9/93
ブ ′ ′ /	
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

CERTIFICATE OF WASTE STATUS OILFIELD EXEMPT WASTE

Originating Location: LATERAL SC LEAK + DRIP (LT 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. M. M. Constraint of Constraints Address Roy 4940 Facus Nature M. M. Signature Sandle W. Will Date 8/6/93

CERTIFICATE OF WASTE TRANSPORT

Origi	inating Locati	on EPNG	latera	1 3-0	' .	
	e of Contamin			Dianit	alamo:	
			/	. /	year up	
Gener	rator: <u>E/</u>	aso 1	Jat Ga	5 Ce	} 	
Dispo	sal Location:	-	ch Soil Remed Hilltop, Ne #1	ew Mexico		
	· · · · · · · · · · · · · · · · · · ·					
- ·	from the above with and is	ve location the same	certify the material material material material material mode and that mode	n added to received	or mixed from the	evods
• •	·					
		Nar	ne: Richa	rd Wi	1200	
		Cor	mpany:			,
,			Yuttu	· · · · · · · · · · · · · · · · · · ·		
		si	gnature:	Raido	ZWill.	\sim
		Da	te: 8/2	7/949	<u> </u>	

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1€ RCRA Exempt: Non-Exempt: □	4. Generator
Verbal Approval Received: Yes No Denny B-9-93 84M	El Pasa Nat Gas
2. Destination	5. Name of Originating Site
Envirotech Candfarm #2	Facques Con C#1 E#
3. Address of Facility Operator	6. Name of Transporter
Box 4990 Farming for NM	Dong Foutz Const
7. Location of Material (Street Address or ULSTR)	8. State
Rlanco, NM	N. Mex
9. Check One	
All transporters must certify the westes delivered are only those consigned for transport. RIEF DESCRIPTION OF THE MATERIAL: Juguez property	remedial drip pit
drip pit leak	DEGELVET AUGI 1 1993
	OIL CON. DI
	·

Estimated Volume	cy Known Volume (to be en	itered by the operator at the end of the haull:	7 700
SIGNATURE Less farm	and complete to the best of my knowledge	pust Supt	DATE 8-9-93
TYPE OR PRINT NAME	1 FARMORTH	TELEPHONE NO.	632-0615
(This space for State Use) APPROVED BY Denny	g. Fourt TITLE	Geologist	DATE 8/12/93
APPROVED BY	Gustly TITLE	Geologist	DATE
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

Cartification of Waste Status

Originating location JAQUEZ Com C#1 + JAQUEZ 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 Sanche Ll. Willer

Name, Date Savinca D. Miller 8/10/93

Company El Paso Nathan Gas Co.

Address PD Box 4000 Farmington, NM 87499

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

	1	O 0 4	/
Originating Locatio	n: Space (Comm C#	(
Source of Contamina	tion: Jaqu	ier com e	·. # · · · · · · · · · · · · · · · · · ·
Generator: E/	30 Natura	il Gas	
Disposal Location:		, New Mexico	\$
	Landfarm #1	Landf	arm #2 <u>X</u>
		-	e de la companya del companya de la
with and is	Sub con Envi	I received to additional Foltz Contracted to Bur roumental contract of the Pearlington of	from the above materials have ionstruction as
	Date:	Seff	23

الريوان	
REQUEST FOR APPROV. TO ACCEPT SOLID WASTE	,^XXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes ☑ No ☐	ET Paso Natural Gas
2. Destination	5. Name of Originating Site
	Chacon Ticovilla Anacho D# 109
3. Address of Facility Operator	6. Name of Transporter
$\Lambda_{\rm in}$ Λ	
2 CCIO PANINGON III	El Paco Not Gas
7. Location of Material (Street Address or ULSTR)	8. State
Rio Arriba Comby Gito Field	UN.
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	Consistent and applification on link
B. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	
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 pro	
and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	ye the material is non-nazardous
All transporters must certify the westes delivered are only those consigned for transport,	
BRIEF DESCRIPTION OF THE MATERIAL:	
	-
Well fie in line leak	
	AUG - 6 1993
•	
	DIST
Estimated Volume ,cy Known Volume (to be entered by the operator at	the end of the haulj:cy
Thereby certify that the information above is true and complete to the cest of my knowledge and belief.	^ /
SIGNATURE ful familier TITLE CONST So	DATE 6-6-93
// /	
TYPE OR PRINT NAME VERE KARNSWORTH	TELEPHONE NO.
(This space for State Use)	- 01:10
APPROVED BY Denny 2, temp TITLE GOOD	9151 DATE 8/6/93
	1/2 8000
APPROVED BY June / Sur le TITLE Geolog	DATE 8/1//3

CONDITIONS OF APPROVAL, IF ANY:

150

UNDERGROUND TANK TESTING . SITE ASSESSMENT . SITE REMEDIATION

TO

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

Cartification of Waste Status

Originating location <u>Ojito Field - SE/4 - 26-23-3</u>

Rio Arriba County

Welltie Line - Chacon Jicanilla Apache D#109

Disposal Location:

Envirotech Soil Remediation Site, Hilltop, NM

"As a condition of acceptance for disposal, I heraby 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 Unu Pundani company El Paso Natural Gas Address P. D. Box 4990; Farmington NM

REQUEST FOR	APPROVAL TO ACCEPTISO LIDEWASTE DIVISION	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx				
1. RCRA Exempt:	Non-Exempt: RECEIVED	4. Generator				
Verbal Approval Red	ceived: Yes 953 JU No. 1 AM 8 30	FUELCO RESOURCE DEVELOP. Co.				
2. Destination		5. Name of Originating Site				
ENVIROTECH SO	IL REMEDIATION FACILITY HILLTOP, N.M.	2-98 3C-5				
3. Address of Facility (Operator	6. Name of Transporter				
5796 U.S. Hu	24 64-3014, FARMINGTON, NM 87401	EDUIROTECH, IDC.				
7. Location of Material	(Street Address or ULSTR)	8. State				
57ATE 36-2	SWSE, SEC. 36, T35A, R9W	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					
	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 EXCAUATED AND BACKFILLED WITH CLEAN JAND AND/OR SAND GRAVEL MATERIAL.

INTI S. 1993.

OIL CON. DIV.

CON. DIV.

CON. DIV.

Con. DIV.

Estimated Volume

Cy Known Volume (to be entered by the operator at the end of the haul):

Cy Known Volume (to be entered by the operator at the end of the haul):

SIGNATURE

CONSTRUCTION THE CONSTRUCTION THE PROPERTY OF TH

SIGNATURE WERL FARMSWORTH TITLE CONSTRUCTION SUPERVISOR DATE 7/19/93

TYPE OR PRINT NAME VERL FARMSWORTH TELEPHONE NO. (505) 632-06/15

(This space for State Use)

APPROVED BY DEATH TITLE Geologist DATE 7/19/93

APPROVED BY LOUND TITLE FARMSWORTH DATE 7/21/93

CONDITIONS OF APPROVAL, IF ANY:

· ·							
<u> </u>	REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX					
1.	RCRA Exempt: □ Non-Exempt:	4. Generator					
	Verbal Approval Received: Yes □ No □	FUELED RESOURCE DEVELOP. Co.					
2.	Destination	5. Name of Originating Site					
	ENVIROTECH SOIL REMEDIATION FACILITY HILLTOP, N.M.	5 TAT€ 36-2					
3.	Address of Facility Operator	6. Name of Transporter					
	5796 U.S. HWY 64-3014, FARMINGTON, NM 87401	EDUIROTECH, IDC.					
7.	Location of Material (Street Address or ULSTR)	8. State					
	5TATE 36-2 SWSE, SEC. 36, T35A, R9W	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.						
D 8	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						
SE 0	Mexico Environment Department or other appropriate government agency; two certificates per job. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove	the meterial is non-hazardous					
Ĺ	and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	The medical is not the ended					

All transporters must certify the westes 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

JULI/9,1993.

OIL CON. DIV.,

/ DIST. 9

Estimated Volume	<u> </u>	ed by the operator at the end of the hauli:	су
SIGNATURE		TRUCTION SUPERVISOR	DATE 7/19/93
TYPE OR PRINT NAME VERZ	FARNSWORTH	TELEPHONE NO	505)632-0615
(This space for State Use) APPROVED BY Denny 2,	Deit TITLE	Geologist	DATE 7/19/93
APPROVED BY	TITLE		DATE

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.

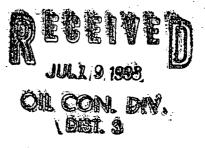
The attached laboratory analysis show that the concentration of the TCLP target constituents are all below the RCRA regulatory levels for hazardous waste. Therefore, the contaminated soils are classified as non-hazardous per RCRA (40CFR 261).

Respectfully submitted, Envirotech, Inc.

Nelson Velez Staff Geologist

Attachments: Laboratory Analysis

Chain-of-Custody



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 Loc	cation: E	nvirotech	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 Fuerca Res. o Deveue. Concur with the status of the waste from the subject site.

Name Russell Knight
Title/Agency 12hrKing Supervisor
Address 6.29 Turner Drive
Signature Kennetherikt
Date 7-/9-53

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

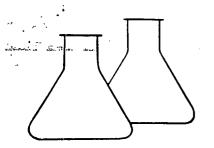
NON-EXEMPT WASTE MATERIAL

Originating	Locatio	n: State 36-2	SWSE,Sec.	36, T 35 N	1, R 9 W	
Source: Soils	adjacent	to pump jacks	on numerous	gas well	sites	
Disposal Lco	cation:_	Envirctech	Soil Reme			(ESRF)

"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 I GAT GARRIED COMMESIED Concur with the status of the waste from the subject site.

Name_	MARK WEEMS
Title	Agency AREA ENER. SWG6
0,60	OFT CONSTITUTION SOME ISSION
Addre	SS 635 E. 2" ALE SVITE 245
	Durando Co. 81300
Signa	ature Solding
Date_	7-19-93

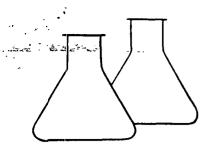


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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 %



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:

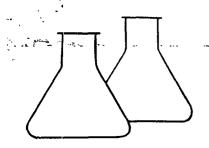
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: State, Stockpile Composite

Analyst

Paris air



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.	ጥሮፕ. ኮ

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:

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:

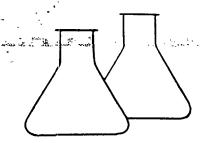
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: State, Stockpile Composite

Alexand. Cycurer

Review Oris D. Houng



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

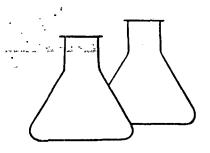
ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

State, Stockpile Composite

Review O



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

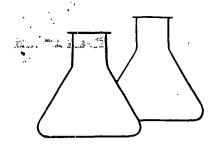
Leur J. Cejemen Analyst

Review Houng

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

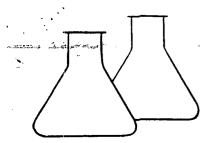


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

	Concentration	Det. Limit	Regulatory Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
	()	(mg / 11 /	(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 %



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:

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

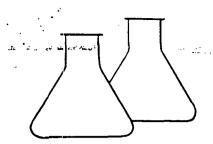
Note:

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



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)	
0.00001			
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-tribromopl	henol	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:

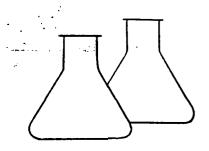
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review Jones



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:	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:

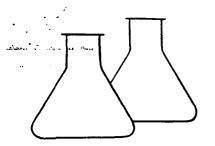
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst de Callen

Review Young



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

	Instrument	Extraction Sol.	Det.
	Blank	Blank	Limit
Parameter	(mg/L)	(mg/L)	(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

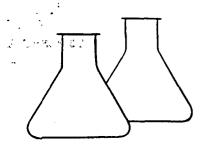
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst Analyst

Maris D. Joung



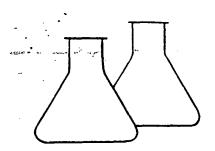
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	NA	Project #:	NA
Sample ID:	TCLP 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: Analysis Requested:	07-07-93 TCLP
		ungrapro yednesced:	TCHE

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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 I	Percent Recovery
		Bromochloromethane	111 %
		Bromofluorobenzene	102 %



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

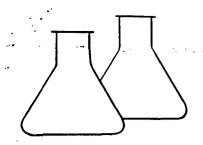
Note.

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



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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

Parameter

SURROGATE	RECOVERIES:
-----------	-------------

2-fluorophenol	 96 %
2,4,6-tribromophenol	91 %

Percent Recovery

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.

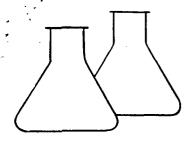
Note:

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

Alexa A. Genner



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.

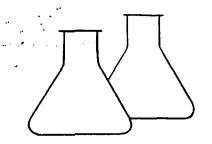
Method 8090, Nitroaromatics and Cyclic Ketones, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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:



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

Client: Sample ID:

Laboratory Number: Sample Matrix: Analysis Requested:

Condition:

NA Laboratory Spike

5571-S-TCV. Soil

TCLP NA Project #: NA

Date Reported: 07-09-93

Date Sampled: NA Date Received: NA

Date Analyzed: 07-07-93

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	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

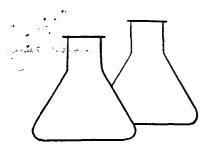
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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



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:	Para	meter	Acceptanc	е	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:

L. Celemen

CHAIN OF CUSTODY RECORD

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Client/Project Name			Project Location											
FUELCO	93156		STATE				•	9	ANAI	_YSIS/PAR	IAMETERS			
Sampler: (Signature)			Chain of Custody Tap	e No.	· · · · · · · · · · · · · · · · · · ·			\$					Remarks	
for Myg	ren	nu				of iners	TCLP	70					nemarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix	No. of Containers	15	70 FET						
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Envirotech Inc.

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

san juan repro Form 578-81

DECUECT FOR ARRESONAL TO ACCEPT COLID WASTE	
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 1. RCRA Exempt: Non-Exempt:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Verbal Approval Received: Yes Q No D 7/54	4. Generator
Exist Buch 7-18-93	
2. Destination	5. Name of Originating Site
Envirolect Card farm #1	Quick Cube
3. Address of Facility Operator	6. Name of Transporter
7. Location of Material (Street Address or ULSTR)	ENVIVOLECTING
7. Location of Material (Street Address or ULSTR)	8. State
BANE	NNEX
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the G B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status f	
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 providend the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	e the material is non-hazardous
All transporters must certify the westes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
Conteninated Soils generated by UST when monitor wells were installed.	leak and venious d
when movitor wells were installed.	, , , , , , , , , , , , , , , , , , , ,
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· · · · · · · · · · · · · · · · · · ·	JUL1 4 1993
	DIL CON. DIV. 6
,	OIST. 3
	٠.
Estimated Volume 1000 cy Known Volume (to be entered by the operator at the	he end of the haul):
hereby certify that the information above is true and complete to the best of my knowledge and belief.	1 -/12/
SIGNATURE Kill famiswood TITLE Cont Just	DATE 7//3/93
TYPE OR PRINT NAME NEW FARNSWURLE	/ 73 //
TYPE OR PRINT NAME WERL FARUSWURLE	TELEPHONE NO. 1252- Ula15
(This space for State Use)	
APPROVED BY Demy 2, Fourt TITLE Geo!	DATE
	, , ,
APPROVED BYTITLE	DATE
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CONDITIONS OF APPROVAL, IF ANY:	though
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes 12 No 0 7:15m	Quick Lube - UST
2. Destination	5. Name of Originating Site
Envirolect land farm #1	Quick Luke
3. Address of Facility Operator	6. Name of Transporter
Quick Lube 3536 East Main Farmington	Envirolect Inc
7. Location of Material (Street Address or ULSTR)	8. State
Same	NNEX
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Ge B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status from 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 and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	om the Generator and the New
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
Contaminated Soils generated by UST when monitor wells were installed.	lak and venioned
	REGEIVEM

JULI 4 1993
OIL CON. DIV

•		OIL CON. DIV DIST. 3
Estimated Volume	cy Known Volume (to be entered by the operator at the	ne end of the haul):cy
SIGNATURE Les SIGNATURE	and complete to the best of my knowledge and belief. TITLE	DATE 7/13/93
TYPE OR PRINT NAME //ER/	FARNSWUZZE	TELEPHONE NO. 633-0615
(This space for State Use)		
APPROVED BY	TITLE	DATE
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY: Sen +	Santa Fe 7/1493	

CERTIFICATE OF WASTE TRANSPORT

Originating Location	1: Charle	1 who	3536	E Main
Source of Contaminat				
Generator: Quick	Luhe	Form	Malan	UM
Disposal Location:	Envirotech So	oil Remedi Lltop, New	ation Sit Mexico	e,
				v
"We, the transpring from the above with and is mentioned Gene been added."	location has the same mat	not been terial re	added to ceived fi	or mixed rom the above
	Name: Company		- Janswork VI Joseph In	
	Signatu		l tams	waid

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: Onick Lule 352/ Fort Movie Tage and colon
Originating Location: Quick Lube. 3536 East Main, Farmington, N.M.
Source: Hyprogra Logic Investigation DF 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 concur with the status of the waste from the subject site.
Leonard Murray
Name finand Westray
Title/Agency Ewu. Spec., NM USTB
Address 72+ W. Avimos tornis gton, NM 8740/
Signature
Date 7-/2-93

ENVIROTECH INC.

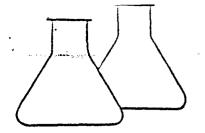
UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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 hube, 3536 EAST Main, FARMINGTON, N.M.
Source: Soil From Hyprobeologic Investionation 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 Lao 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
Name GILBERT J. MILLSTINE JR. Title/Agency PURCHASING PIGENT PO BOX 307 Address FARMINGTON N.M. 87499. Signature Seller Mellstone h.
Signature Select Wellstone in Date 7/13/93



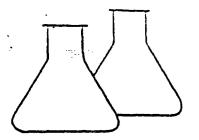
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

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	Reco	very
	•				
		Bromochloromethane	2	102	ક
		Bromofluorobenzene	à	111	%



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

Sample ED:

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:

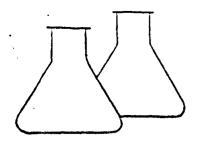
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: 3536 E. Main, Farmington

Analyst

Review



EPA METHOD 8040 PHENOLS

Client: Q	uick Lube	Project #:	91351
Sample ID:	R 3 @ 14'	Date Reported:	03-15-93
Laboratory Num	ber: 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.

Hethod 8040, Phenols, Test Hethods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

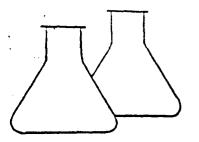
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: 3536 E. Main, Farmington, NM

Analyst

Review



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	סא	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:

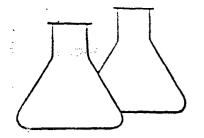
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

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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	מא	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

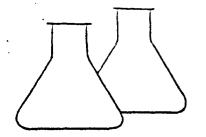
Malyst L. Gener

Review

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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

Client: NA
Sample ID: Labo
Laboratory Number: 0311
Sample Matrix: Wate
Preservative: NA
Condition: NA

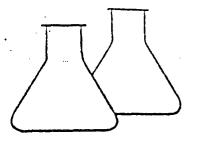
NA Laboratory Blank 0311tcv.blk Water NA Project #:
Date Reported:
Date Sampled:
Date Received:

Date Received: NA
Date Analyzed: 03-11-93
Analysis Requested: TCLP

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.008	200
1,1-Dichloroethene	иD	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	ИД	0.005	100
1,4-Dichlorobenzene	ND	0.008	7.5

SURROGATE RECOVERIES:

Parameter	Percent	Reco	ve	ry
Bromochloromethan	e	103	ઢ	
Bromofluorobenzen	e	91	ક	



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

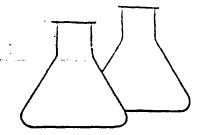
ND - Parameter not detected at the stated detection limit.

Comments:

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Review

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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	КD	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.

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

Note:

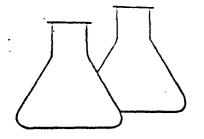
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Blue G. William

Review



EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative:	NA Laboratory Blank 0312bn.blk Hexane NA	Project #: Date Reported: Date Sampled: Date Received: - Date Extracted:	NA 03-15-93 NA NA NA
			NA
Condition:	NA	Date Analyzed: Analysis Requested:	03-12-93 TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Description			*
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

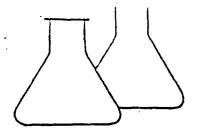
Note:

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:

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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

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

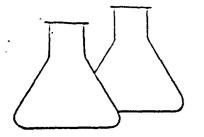
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

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Analyst

Review

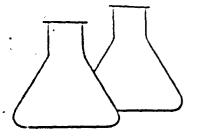


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

	Concentration	Det. Limit	Regulatory Limits
Parameter	(mg/L)	(mg/L)	(mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.008	200
1,1-Dichloroethene	ИД	0.005	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	מא	0.005	0.5
1.2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	כא	0.006	0.7
Chlorobenzene	ND	0.005	100
1.4-Dichlorobenzene	ND	0.008	7.5

SURROGATE RECOVERIES:	Parameter Pero	cent Recovery
	Bromochloromethane	102 %
	Bromofluorobenzene	94 %



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:

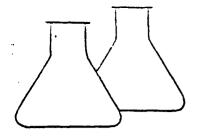
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

3-03-00

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EPA METHOD 8040 PHENOLS

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	03-15-93
Laboratory Kumber:	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	מא	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-346, USEPA, Sept. 1986.

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

Note:

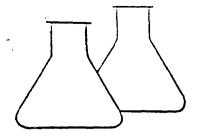
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

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Review'



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

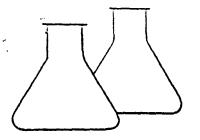
ND - Parameter not detected at the stated detection limit.

Comments

TCLP extraction method blank

Analyst . Gener

Review ()



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

Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:		ract	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted:	NA 03-11-93 NA NA 03-11-93 NA
	Spike	Sample	Spiked Sample	
	Added	Result	Result	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	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 CRITER	IA:	Parameter	Acceptance	Range %
		TCLP Meta	ls 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:

Analyst

Review Dans

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location							ANA	LYSIS/F	PARAME	ETERS	 	
QUICK LUB	=		3536 E.	MAIN,	FMANIA	X. 100)							 	
Sampler: (Signature)			Chain of Custody Ta	pe No.						1				Remarks	
Sampler: (Signature)	being	,					o u	Ú	10	015				 	
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		No. of Containers	766	8724	1784					
R3@H 14" 109'-10' 113. 214'	3-9-93	1600	4746	50. 50.	TC		2	/							
109'-10'	3-8-93	1000	47.17	50.	7		1		/					 ·····	
13.00141	3-8-83	1600	41/48	5	O.F.C		İ		V	V					
uished by: (Signature)		:		Date	Time	Receive	d by: (Si	gnature)						 Date	Time
Relinguished by: (Signature)	bung			3-8-83	1830			in de	<u>. </u>	/.		1		 200	14.1
Relinquished by: (Signature)						Receive		gnature)							
Relinquished by: (Signature)						Receive	d by: (Si	gnature)	·····						
						l								 Ii	

Envirotech Inc.

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

<u> </u>	
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: □ Non-Exempt: □	4. Generator Process Equipment
Verbal Approval Received: Yus ₽ No □	\$ 1\ 1==-/- \ \ \
2. Destination	5. Name of Originating Site
<u> </u>	
Envirolect to land from II	Main office
3. Address of Facility Operator	6. Name of Transporter
Farmington whex	Enviroted Inc
7. Location of Material (Street Address or ULSTR)	8. State
5680 US Lavy 64	WMEX
'	
9. Check One	
A. All requests for approval to accept diffield exempt wastes will be accompanied by a certification of wi	este from the Generator; one certificate per job.
B. All requests for approval to accept non-oilfield exempt wartes will be accompanied by a certification of	
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 a	analysis to prove the material is non-harardour
and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be	
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
Dehydrator clear out Study	
Liengerator cream out 1/20	ge — — — — — — — — — — — — — — — — — — —
	33 JII 684
·	
	GE IVE
w w w w w w w w w w w w w w w w w w w	u a 0 1003
~	
	CON. DIV.
	DIST. 3 ± 5 SE
	, O
•	Land farmett
	E-10
Factorial Values (to be entered by the	57CX
Estimated Volume	
M. A. Carrier Court	10 + Cont 7-18-9
SIGNATURE // CLI - THAN SUL FUTURETHETHETHE	Unit 13
TYPE OR PRINT NAME VER. 1 FARISWORTS	1.37-1/16
TYPE OR PRINT NAME VERY PARAGUORS G	
(This space for State Use)	
APPROVED BY Denny 2, tout TITLE 6	-eologist DATE 7/14/92
APPROVED BY TITLE Due	DATE 7/16/9
THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OT THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OT THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OF THE TO	

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx		
1. RCRA Exempt: □ Non-Exempt: □	4. Generator		
Verbal Approval Received: Yes ₹ No □	PESCO		
2. Destination	5. Name of Originating Site		
Enviroleen Tue land firm II	Main office		
3. Address of Facility Operator	6. Name of Transporter		
Farmington, where	Enviroted Inc		
7. Location of Material (Street Address or ULSTR)	8. State		
5690 US Lavy 64	NMEY		
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 tran

BRIEF DESCRIPTION OF THE MATERIAL:

Dehydrator clear out Sludge



Estimated Volume		e entered by the operator at the end of the haul):	cv
SIGNATURE	ion above is true and complete to the bast of my knowled AMA SUPPLY TITLE	Court Sunt	
TYPE OR PRINT NAME	VERI FARMSWORTS	TELEPHONE NO.	632-1615
(This space for State Use)			
APPROVED BY	TITI	LE	DATE
APPROVED BY	TITI	LE	DATE
CONDITIONS OF APPROVAL, IF	ANY: Sent 7/14/95 5	J 15	

ENV RO'EC I INC

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 North Signed Name CHARLEY TYLER

Company Process Equipment & Service Co.

Site 5680 US 64 FARMINGTON, N.M.

Source Dehydrator Clean out:

Date July 13, 1993

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

<u>. · ·</u>			
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator		
Verbal Approval Received: Yes □ No □			
	Farminator Five Eauset Talley		
2. Destination	5. Name of Originating Site		
Envirolect tie land form It!	Vard		
3. Address of Facility Operator	6. Name of Transporter		
6105 EMain Francisco un	Environelle Ice		
7. Location of Material (Street Address or ULSTR)	8. State		
6105 E Main	NMex		
9. Check One	M E A B A A		
	RECEIVER		
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the B. All requests for approval to accept non-cilfield exempt wastes will be accompanied by a certification of waste status	Generator; dne certificate per jogul (in		
Mexico Environment Department or other appropriate government agency; two certificates per job.	from the Generator and the New JULI 4 1993		
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 provand the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	ve the material is non-hazardous OIL CONI Full of		
All transporters must certify the wastes delivered are only those consigned for transport.	DIST. 3		
BRIEF DESCRIPTION OF THE MATERIAL:			
approx 1 cy of Soil mixed and oil that was set a fire.	I with Gas, diesel		
and all that was not a live	and then extinguished		
and bit thet was set refine was			
with dry chemicals from five extinguishors to			
	./		
Lest the five fighting equipmen	· · · · · · · · · · · · · · · · · · ·		
No Marian Day of the Second Maria	la receive a drum of		
Or May 22, 92 We were alle this same material and would regu			
this same material and would regu	est permission acrain todoso.		
	,		
/			
Estimated Volume cy Known Volume (to be entered by the operator at I hereby carrify that the information above is true and complete to the best of my knowledge and belief.	the end of the hauil:cv		
SIGNATURE 1011 Trusword TITLE Court S	NATE 7-18-63		
·			
TYPE OR PRINT NAME VERY FARENSWORTH	TELEPHONE NO. 632-0615		
(This space for State Use)			
	7/14/93		
APPROVED BY Denny G. Foust TITLE Geol	DATE /////		
,	5.475		
APPROVED BYTITLE	DATE		
- XI / Denline	auxt cace		
CONDITIONS OF APPROVAL, IF ANY:	east, continuation		
John () Trom South	reas/ Continuation		

REQUEST F	FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt:		4. Generator
Verbal Approval	Received: Yes 🗆 No 🗅	To 1 Comments
2. Destination		5. Name of Originating Site
	(a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	
CNVISO Lect	s ter Card Larn #1	Yard
3. Address of Facil	ity Operator	6. Name of Transporter
(0105 E	Main Farming Low N	M EDUTATE LA TRE
7. Location of Mate	erial (Street Address or ULSTR)	8. State
6105 6	EMain	NMex
9. Check One		
B. All requests for approval to Mexico Environment Depar C. All requests for approval to and the Generator's certific	e accept oilfield exempt wastes will be accompanied by a certification of waste e accept non-cilliald exempt wastes will be accompanied by a certification of vertiment or other appropriate government agency; two certificates per job. The accept non-exempt wastes must be accompanied by necessary chemical analysis of certificates and cation of origin. No waste classified as hazardous by listing or testing will be a	veste status from the Generator and the Navil JUL 1 4 1993
All transporters must certify t	the westes delivered are only those consigned for transport,	DIST. 3
BRIEF DESCRIPTION OF TH	IE MATERIAL:	
with &	ie five fighting equip	read with gas, diesel a with guish for extinguish to ment. We to receive a down it equal permission again to do.
Estimated Volume	cy Known Volume (to be entered by the	operator at the end of the haull:cv
		4 Supt DATE 7-13-47
JIGHATORE		2000
TYPE OR PRINT NAME	VERI FARRISWORTH	TELEPHONE NO. 632-0615
(This space for State Use)	·	
APPROVED BY	TITLE	DATE
APPROVED BY	TITLE	DATE

conditions of approval, if any: Sent Roser 7/17/93

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)."

Name, Date W.E. SMITH 5-27-92

Company TARMING TO FIRE Grup.



UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

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

May 19, 1992

VER bol moritation 5/22, 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	1xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
IN RCRA Exempt: Discourse Non-Exempt:	4. Generator
Verbal Approval Received: Yes □ No □	Nielsons Ive
2. Destination	5. Name of Originating Site
Envirotech Inc Cand Farm #1	Sav Tuan Coal Nive
3. Address of Facility Operator	6. Name of Transporter
Nielson's INC POBOX 1660 Cortez Colo 8135	Full colors T
Nielson's INC PD Rox 1660 Cortez, Colo 8/35 7. Location of Material (Street Address or ULSTR)	8. State
, ,	
Jan Juan Coal Fruitland NM	New Mexico
9. Check One	
A. All requests for approval to accept diffield exempt wastes will be accompanied by a certification of waste from the	e Generator; one certificate per job.
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste statu Mexico Environment Department or other appropriate government agency; two certificates per job.	s from the Generator and the New
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to pri	ove 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	notor oil at
a construction site at the San.	Town Colored Decla
a construction site at the san.	suar was more water
IN Fruitland, N.M. Vielser's INE is	the generator
	,
Soils from around diesel fael took and	t service truck operations
4 1819 A	
ā j	DECEIVEN
G G G G G G G G G G G G G G G G G G G	UN Uj
	JUL1 4 1993
Section of the sectio	OIL CON. DIV.
	DIST. 3
Estimated Volume Cy Known Volume (to be entered by the operator at	t the end of the haul);cy
hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE M. Jamsaward TITLE M. F. Jamsaward TITLE M. J. Jamsaward TITLE M. J.	L DATE 7/12/93
SIGNATURE //ul famsward TITLE / pry + Sup	DATE 1100 75
TYPE OR PRINT NAME VERY FARNSWONTY	TELEPHONE NO. 632-0615
(This space for State Use)	
APPROVED BY 1 emy Dr town TITLE Geol	05/5T DATE 7/14/93
	7-7-
APPROVED BYTITLE	DATE
. Pendir	is Courtease
CONDITIONS OF APPROVAL, IF ANY:	ng Courtease e Southeast
	7

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	-xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1: RCRA Exempt: D Non-Exempt: D Verbal Approval Received: Yes D No D	4. Generator
Verbai Approvai neceiveo.	Nielsons Inc
2. Destination	5. Name of Originating Site
Envirotech Inc (and Farm #1	Saw Tuan Coal Nine
3. Address of Facility Operator	6. Name of Transporter
	·
Niekons INC PD Rox 1660 Cortez, Colo 81321	
7. Location of Material (Street Address or ULSTR)	8. State
Jan Juan Coal Fruitland NM	New Mexico
9. Check One	
A. All requests for approval to accept billield exempt wastes will be accompanied by a certification of waste from the C	ienerator: one certificate per job.
B. All requests for approval to accept non-cilfield exempt wastes will be accompanied by a certification of waste status	
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 prov	e the material is non-hazardous
and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	e the material is normal addocs
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
Soils contaminated by diesel and	notor oil at
a construction site at the San	Quan Coalmine located
IN Fruitland, N.M. Nielsen's INE is	the generator
Soils from around diesel finel tout and	service truck operation
m F A	r i v f m
LIUL.	4 1993
-	ON. DIV.
	ST. 3
Estimated Volume (to be entered by the operator at the least of my knowledge and belief.	the end of the haull:cy
SIGNATURE / Let farmswert TITLE / pry + Sys-	L DATE 7/12/43
VERSI ENGLISHED	/237 /24/
TYPE OR PRINT NAME VERY PHENSWOVE FU	TELEPHONE NO. OSL- UBIS
(This space for State Use)	
(This space for State Use)	

CONDITIONS OF APPROVAL, IF ANY: Sent Roser 7/14/93

7-13-93 ; 9:12AM ;

NIELSONS RTEZ

JUL 11 193 22:32

The state of the s

ENVIROTECH INC.

Underground Tank Testing . Site Assessment . Site Remediation

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

BUPATA STRAF TO STADISTICATE

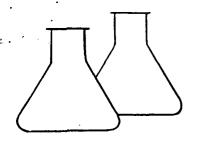
NON-EXEMPT WASTE WATERIAL

Originating Location: Sau Zaun Powte Raul, N.M.
Bource: HEAVY Equipment Lubricante, Busine oil, Hed Fluid, etc
Disposal Location: Envirotech Soil Remediation Facility. (ESRF) #/

"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 With the status of the wasta from the subject site.

HAME TOUL YOUNGMARK
Title/Agency Equip. Mas.
Address KO. Sex 1860
signature R. Oller manuel
Date July 13, 1993

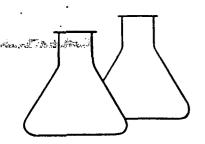


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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 %



EPA METHODS 8010/8020

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pq 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:

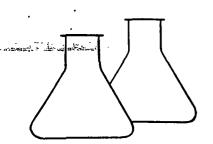
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine

Analust

Davis



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

Parameter

SURROGATE RECOVERIES:

2-fluorophenol	99 %
2,4,6-tribromophenol	99 %

Percent Recovery

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:

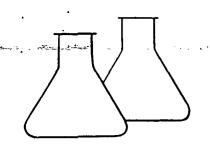
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine

Menni d. Cyennen Analyst

Review Jourg



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:	TCT.P

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:

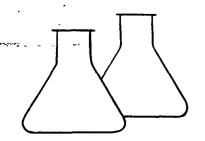
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine

Analyst Chemen

Review Young



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:

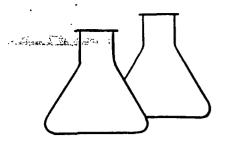
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments: San Juan Coal Mine

Allen L. Cylensen

Maris Harna



SUSPECTED HAZARDOUS & SOLID WASTE ANALYSIS

Client:

Neilson's Inc.

93165

Sample ID:

SJC-Job 29

Date Reported: 07-06-93

Lab ID#: Sample Matrix: 5551

Date Sampled: 07-01-93

Drocorvative

Soil

Date Received: 07-01-93

Preservative:

Cool

Date Analyzed: 07-06-93

Project #:

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.

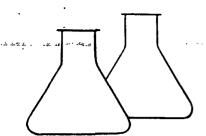
Analyst

Reviewed

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION

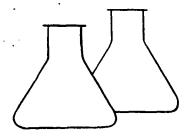


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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 .

	Concentration	Det. Limit	Regulatory Limits
Parameter	(mg/L)	(mg/L)	(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	Reco	very
		Bromochloromethane		80	%
		Bromofluorobenzene		96	૪



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

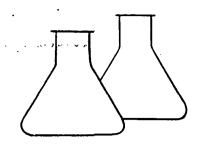
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Leur J. Chenur Analyst

Review



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:

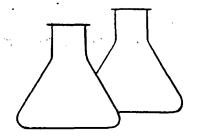
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

st Cyllica

Review One



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:	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-fluorobiphenvl		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:

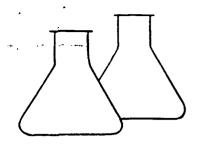
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review C



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: 07-09-93 Laboratory Number: Date Sampled: NA NA Sample Matrix: TCLP Extract Date Received: NA Analysis Requested: TCLP 07-08-93 Date Analyzed: Condition: NA Date Extracted: NA

	Instrument Blank	Extraction Sol. Blank	Det. Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
ARSENIC	ND	ND	0.001
BARIUM	ND	ND	0.001
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

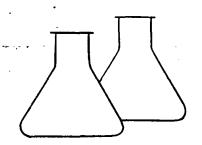
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1990

ND - Parameter not detected at the stated detection limit.

Comments:

Alle A. Geller

Review Houng



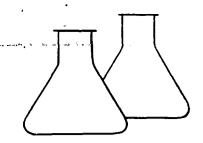
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative:	NA TCLP Vol Met Blk MB-TCV.BLK Soil Cool	Project #: Date Reported: Date Sampled: Date Received: Date Extracted:	NA 07-09-93 NA NA 07-01-93
Preservative: Condition:	Cool & Intact	Date Extracted: Date Analyzed: Analysis Requested:	07-01-93 07-07-93 TCLP

	Concentration	Det. Limit	Regulatory Limits
Parameter	(mg/L)	(mg/L)	(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	Reco	very
		Bromochloromethane		111	%
		Bromofluorobenzene		102	%



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EPA METHODS 8010/8020
AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
P.g. 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:

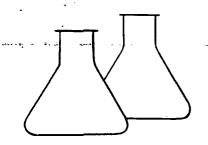
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extration Method Blank

Analyst

Review



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

Parameter

SURROGATE RECOVERIES:

2-fluorophenol	96 %
2,4,6-tribromophenol	91 %

Percent Recovery

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

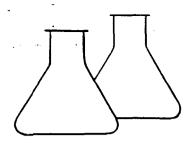
ND - Parameter not detected at the stated detection limit.

Comments:

TCLP Extraction Method Blank

Review Jour

Analvst



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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

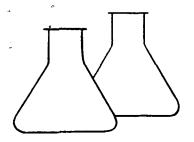
ND - Parameter not detected at the stated detection limit.

"Chemen

Comments:

Analyst

Review House



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

Client:

Sample ID:

Laboratory Number: Sample Matrix:

Analysis Requested: Condition:

NA

Laboratory Spike

5571-S-TCV.

Soil

TCLP NA

Project #: NΑ

Date Reported: 07-09-93

Date Sampled: NA Date Received: NA

Date Analyzed: 07-07-93

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	14.4	11.6	121	28-163
2-Butanone	ND	10.0	12.7	7.3	85	47-132
1,1-Dichloroethene	ИД	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

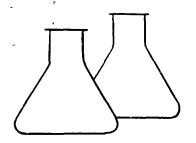
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

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:

Cylence



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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:	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
	(mg/11)	()	(mg/L)	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:	Param	eter	Acceptan	сe	Range	૪
			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:

Review

CHAIN OF CUSTODY RECORD Client/Project Name Project Location **ANALYSIS/PARAMETERS** Sampler: (Signature) Remarks 9316 Sample Sample No./ Sample Sample Lab Number Identification Matrix Date Time 11.50 SJC-Job 29 555/ Received by: (Signature) Relinquished by: (Signature) Date Time Date Tim. 12:40 Received by: (Signature) Relinquished by: (Signature) Received by: (Signature) Relinquished by: (Signature)

Envirotech Inc.

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

san juan repro Form 578-81

8.

State

New Mexico

1. RCRA Exempt: 世

ESRF # 2

2. Destination

Verbal Approval Received:

3. Address of Facility Operator

Envirotech Inc.

- XIX.A. 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-cilfield 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

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

Projected Dates(s) for Transportation:

BRIEF DESCRIPTION OF THE MATERIAL:

hydrocarbon contaminated soil from a El Paso lateral

7. Originating Location of Material (Street Address or ULSTR)

Lateral 2 C-4 SW/4 Sec 16 T 25N R 7W Rio Arriba County

Pin hole corrosion leak probably in gathering line.



			7 9
Estimated Volume . 8	yd³ Known Volume (to be	entered by the operator at the end of the haul):	15 yd,
I hereby certify that the information above is true a	nd complete to the best of my knowled	ge and belief.	
SIGNATURE manish &	oune TITLE	President	DATE June 29,1993
TYPE OR PRINT NAMEMorris D	Young	TELEPHONE NO	5 <u>05–632–0615</u>
(This space for State Use)			
APPROVED BY Deny	2. tout TITL	E <u>Feologist</u>	DATE 6-30-93
	2 /	E Teologist	DATE 7- 7-93
APPROVED BY June 1	TITL TITL	E TROCKE SI	DATE /5 / / D
CONDITIONS OF APPROVAL, IF ANY:			

92117-03

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 <u>Lateral 2C-4; SWI4, Sec 16</u>

T-25N, R-7W

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 6/29/93

Name, Date Ann Pundari 6/29/93

company El Paso Natural Gas

Address P.O. Box 4990

Farmington, NM
87499

	91364-01
REQUEST FOR APPL L TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1 . RCRA Exempt: Mon-Exempt:	4. Name of Transporter
Verbal Approval Received: Yes 🗷 No 🗆 7/10/93 [Submitting this form for oilfield exempt waste is optional)	Envirotech
2. Destination	5. Generator
Envirotech Land Farm # 2	Meridian Dil
3. Address of Facility Operator	6. Name of Originating Site
M.O.I. P.O. Bex 4289 Farmington WM 87499	1 Mangun #6
7. Originating Location of Material (Street Address or ULSTR)	8. State
Section 21 T29N R11W	New Mexico
9. Check One	
四A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job.	certification of waste from the Generator; one
☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied Generator and the New Mexico Environment Department or other appropriate gover	
C. All requests for approval to accept non-exempt wastes must be accompanied by need the material is non-hezardous and the Generator's certi8fication of origin. No waste will be approved.	essary chemical analyses to prove classified as hazardous by listing or testing
All transporters must certify that the wastes delivered are on	ly those consigned for transport.
Projected Dates(s) for Transportation:	•

Production Tank overflow

BRIEF DESCRIPTION OF THE MATERIAL:

DECEIVED

JULI 4 1993

OIL CON. DIV.)

DIST. 3

A-23

Estimated Volume	of the haul): 110 20 yd
Thereby certify inaytha information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE DUST Supplement of the best of my knowledge and belief.	DATE 7/10/93
TYPE OR PRINT NAME VELL FRIENDSWORK, TEL	EPHONE NO. 632-0615
APPROVED BY Denny 2. Four TITLE Geol	DATE 7/14/93
APPROVED BY Fine Busel TITLE Geol	DATE 7/14/93

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
	3. Description of Waste: DIL SORKED DIRT
	4. Method of Waste Generation: PROBULTION TANK UNINFLOW
	5. Disposal Cost:
	6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4. Approval for Disposa (signature) Date 7-8-
MOI On Site Representative	Transportation Company: ENVIROTICA Date(s) Transported: 7-8-92 MOI Representative on Site Medical Date 7-8-92 (signature)
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)

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 pf 40 CFR, Part 261, Subparts C and C, has not been added or mixed with the exempt waste in such a matter so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFT, Section 261.3(b)."

Signature Jan Enter

Name, Date John John 7-8-93

Company Meridian Dil Inc.

Address 2535 E. 305

Lamington, M. Max.

Envirotech Exempt Waste Manifest Meridian Oil Inc. PO Box 4289, Farmington, NM 87499

MOI Safety and Environmental	1.	1. Waste Location: Lease/Well No. ManGum #6				
	2.	Volume:Cubic YardsBarrels	Gallons			
	3.	Volume:cubic Yards				
	•,					
	4.	Method of Waste Generation: Nande Tien TANK UNERFO	ow)			
	5.	Disposal Cost:				
	6.	This waste material complies with the definition of exempt waste as II 40 CFR 261.4. Approval for Disposa (signature) Date				
MOI On Site Representative		Transportation Company: Entire CH Date(s) Transported: 7-8-92 MOI Representative on Site Moi Moi Company Date 7	- <u>-</u>			
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)				

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 pf 40 CFR, Part 261, Subparts C and C, has not been added or mixed with the exempt waste in such a matter so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFT, Section 261.3(b)."

Signature Jan Ender 1-8-93

Name, Date Joun Adam 7-8-93

Company Maridian Dil Inc.

Address 2535 E. 302

Farmington, M. Max.

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	tion: Lease/Well No. MANGum #6			
	2. Volume:Cubic Yards Barrels Go	ailons			
	3. Description of Waste: OIL SCARED DIRT				
	4. Method of Waste Generation: PRODUCTION TANK SUCREZOC	<u>w</u>			
·	5. Disposal Cost:				
	6. This waste material complies with the definition of exempt waste as listed 40 CFR 261.4. Approval for Disposa Date Tolerand (signature)				
MOI On Site	Transportation Company: ENUIROTECH				
Representative	Date(s) Transported: 7-9-92 MOI Representative on Site 12th Moleculary Date 7-9				
Envirotech	Date(s) Received:				
return to	Total Volume Received:				
Meridian Safety and	Waste Location : Cell/Grid No				
Environmental with invoice.	Received By :				

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 pf 40 CFR, Part 261, Subparts C and C, has not been added or mixed with the exempt waste in such a matter so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFT, Section 261.3(b)."

Signature_

Name. Date

1 Notan 7-8-9

Company 7/1/2

Address 2535 E. 3.2

Farmington, 71. may .

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	-
	Volume: Cubic Yards Barrels Gailer	15
	3. Description of Waste: DIL SCAILED DIRT	-
٠		-
	4. Method of Waste Generation: PREDUCTION TANK SUCRETION	-
	5. Disposal Cost:	-
	6. This waste material complies with the definition of exempt waste as listed 40 CFR 261.4. Approval for Disposa Date 7-8	
MCI On Site Representative	Transportation Company: ENUROTECH Date(s) Transported: 7-9-92 MOI Representative on Site Medical Date 7-9-9	- - -2
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)	-

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 pf 40 CFR, Part 261, Subparts C and C, has not been added or mixed with the exempt waste in such a matter so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFT, Section 261.3(b)."

Signature_

Name, Date

1 Nolary 7-8-9_

Company Maridian Oil

Farmington, n. mex.

CERTIFICATE OF WASTE TRANSPORT

	\mathcal{A} \mathcal{A}	
Originating Location:	11/angren 7 6	-20
Source of Contaminati	ion: Production Tance Over	Horr
Generator: Merid	ian Oil Co.	
•	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2	<u>/</u> _
from the above in with and is t	orters, certify the material hauled location has not been added to or mixed he same material received from the ator, and that no additional materials	
	Name: GENEL. GOSNELL	
	company: Envirotech	
	Signature: Jue Lancel	
	Dato: 7/15/62	

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	"XXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: D Non-Exempt: XX	4. Name of Transporter
Verbal Approval Received: Yes □ No □ (Submitting this form for oilfield exempt waste is optional)	Envirotech Inc.
2. Destination	5. Generator
ESRF # 2	Meridian Oil
3. Address of Facility Operator	6. Name of Originating Site
Meridian Oil 3535 East 30th Street Farmington, NM	Val Verde Gas Plant
7. Originating Location of Material (Street Address or ULSTR)	8. State
Val Verde Gas Plant Bloomfield, New Mexico	New Mexico
9. Check One A. All requests for approval to accept oilfield exempt wastes will be accompanied certificate per job. B. All requests for approval to accept non-oilfield exempt wastes will be accompanied.	

- ☐ 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.
- P.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 certisfication 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 Dates(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 01 1993

OIL CONSERVATION DIV. SANTA FE

Estimated Volume	200	yd³ Known Volus	me (to be ente	ared by the operator at the e	nd of the haul): 2	00	yd³
I hereby certify that	t the information above is true and	complete to the best of my	knowledge a	nd belief.			
SIGNATURE	moni Qy	rugT	ITLE Pr	esident		_ dateJune	28,1993
TYPE OR PRINT	NAME Morris D.	Young		T	ELEPHONE NO. <u>505</u>	5-632-0615	
(This space for Stat	Deny J.	Fourt	TITLE	Geolog 157		DATE	<u>/2/93</u>
APPROVED BY	//			Ens Burea		_DATE <u>2//</u>	1/93

ENVIROTECT 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 APPRO TO ACCEPT SOLID WASTE	EXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
11 RCRA Exempt: □ Non apt: ¾□	4. Name of Transporter
 Verbal Approval Received: Yes □ No □ (Submitting this form for oilfield exempt waste is optional) 	Envirotech Inc.
2. Destination	5. Generator
ESRF # 2	Meridian Oil
3. Address of Facility Operator	6. Name of Originating Site
Meridian Oil 3535 East 30th Street Farmington, NM	Val Verde Gas Plant
7. Originating Location of Material (Street Address or ULSTR)	8. State
Val Verde Gas Plant Bloomfield, New Mexico	New Mexico
 9. Check One A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certificate per job. B. All requests for approval to accept non-oilfield exempt wastes will be accompanied Generator and the New Mexico Environment Department or other appropriate gover C. All requests for approval to accept non-exempt wastes must be accompanied by new the material is non-hazardous and the Generator's certisfication of origin. No waste will be approved. 	by a certification of waste status from the rnment agency; two certificates per job. cessary chemical analyses to prove
All transporters must certify that the wastes delivered are on	nly those consigned for transport
Projected Dates(s) for Transportation:	
STABLE DESCRIPTION OF THE MATERIAL:	

Stabilized hydrocarbon contaminated wastes from clean out of Val Verde Gas Plant gas processing train

Estimated Volume 200 yd³		the haul):yd³
SIGNATURE and Quarter Q	TITLE President	DATEJune 28,1993
TYPE OR PRINT NAMEMorris D. Youn	g TELE	PHONE NO. <u>505-632-0615</u>
(This space for State Use)		
APPROVED BY	TITLE	DATE
APPROVED BY	TITLE	DATE

MERIDIAN OIL

CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL

Originating Location: _	Mendian Oil - Vai Verde Gi	as Flant			
Source: Water wash heat transfer exchanger and loop of gas processing train					
Disposal Location:	Envirotech Soil Remediation	Facility. (ESRF) Hilltop. New Mexico			
this waste Protection This was CFR Part certify the pursuant D, has be resultant of 40 CF	e is a non-exempt waste as de Agency's (EPA) July 1988 te has been analyzed pursuat 261 to verify the nature a lat to my knowledge no "I to the provisions of 40 CFR een added or mixed with the mixture a "hazardous waste R, section 261.3 (b)."	sposal, I hereby certify that effined by the Environmental Regulatory Determination. ant to the provisions of 40 s non-hazardous. I further hazardous or listed waste" L. Part 261, Subparts C and he waste so as to make the pursuant to the provisions			
	Name: Title: Address: Signature: Date:	Meridian Oil Inc Michael J. Framoton Sr. Staff Environmental Representative PO Box 4289 Farmington, New Mexico 87499 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 FRAMPTION

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	Sample	Sample	Sample
<u>Number</u>	Description	Number	Description
0.1	CALICULA MACH WANK		

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



ACAL LABORATORIES, INC. + 7300 Jefferson, N.F. + Albuquerque, New Mexico 87109 Page 1

REPORT

Work Order # 93-05-111

Received: 05/17/93

Results By Test

TEST CODE	Sample <u>01</u>		
default units	(entered units)	· · .	
T8270X	N/A	·	
N/A			
TCLPXX	N/A		
N/A			
TCLPZX	N/A		
N/A	1		
TCVHGX	N/A		
N/A			
TFAAX	N/A		
N/A			
TGFAAX	N/A		
N/A			





REPORT

Work Order # 93-05-111

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	ND	0.0010	875	05/25/93
3/4-Methylphenol / M/P-Cresol	ND	0.0020	875	05/25/93
Hexachloroethane	ND	0.0010	875	05/25/93
Nitrobenzene	ND	0.0010	875	05/25/93
Hexachlorobutadiene	ND	0.0010	875	05/25/93
2,4,6-Trichlorophenol	ND	0.0010	875	05/25/93
2,4,5-Trichlorophenol	ND	0.0010	875	05/25/93
2,4-Dinitrotoluene	ND	0.0010	<u>875</u>	05/25/93
Hexachlorobenzene	ND	0.0010	<u>875</u>	05/25/93
Pentachlorophenol	<u> </u>	0.0010	875	05/25/93
Pyridine	ND	0.0010	875	05/25/93

Notes and Definitions for this Report:

EXTRACTED

ANALYST JS

FILE ID S0853.D

UNITS mq/L

BATCH_ID ____ TSVOA-26

TCLP_XT_DATE 05/18/93



listependent Laboratorica, Inc.



JICAL LABORATORIES, INC. + 7300 Jefferson, N.E. + Albuquerque, New Mexico 87109

REPORT

Work Order # 93-05-111

Received: 05/17/93

Results by Sample

SAMPLE ID CAUSTIC WASH TANK	FRACTION <u>01B</u>	TEST CODE TMEINL	NAME TCLP Met. Anal. in water
	Date & Time Col	lected <u>05/11/93</u>	Category WATER

PARAMETER	RESULT	LIMIT	D_F	DATE_EXT	DATE_ANAL
Arsenic, As	0,025	0.0050	1.0	05/19/93	05/24/93
Barium, Ba	10.3	0.50	1.0	05/19/93	05/20/93
Cadmium, Cd	0.059	0.0030	1.0	05/19/93	05/20/93
Chromium, Cr	0.14	0.020	1.0	05/19/93	05/20/93
Lead, Pb	0.40	0.10	1.0	05/19/93	05/20/93
Mercury, Hg	0.0013	0.00020	1.0	05/19/93	05/19/93
Selenium, Se	ND	0.0050	1.0	05/19/93	05/24/93
Silver, Ag	0.06	0.010	1.0	05/19/93	05/20/93

Notes and Definitions for this Report:

ANALYST KH

UNITS ____

BATCH_ID ____ WGFAA-213, WFAA-188, WCVAA-67

TCLP XT DATE 05/19/93



Member: American Council of

Independent Laboratories, Inc.



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	Д.	ت	A	

ACAL LABORATORIES, INC. • 7300 Jefferson, N.E. • Albuquerque, New Mexico 87109

REPORT

3711 Admiral, Suite C • El Paso, Texas 79925

Received: 05/17/93

Results by Sample

Work Order # 93-05-111

SAMPLE ID CAUSTIC WASH TANK	FRACTION <u>01A</u> TEST	CODE WFLASH	NAME Flash point in water
	Date & Time Collecte	d <u>05/11/93</u>	Category WATER

PARAMETER

RESULT

LIMIT

DATE_ANAL

Flash Point

SEE NOTE 20 05/24/93

Notes and Definitions for this Report:

EXTRACTED

ANALYST _DH

UNITS Deg Centigrade

BATCH_ID WFLASH-031

COMMENTS

N/A





N/A

17/93

IC WASH TANK

Results by Sample

FRACTION <u>01A</u>	TEST CODE WPH	NAME <u>PH in water</u>	
Date & Time Col	lected <u>05/11/93</u>	Category W	ATBR

PARAMETER RESULT LIMIT D_F DATE ANAL pН 05/17/93 0.10 Notes and Definitions for this Report:

EXTRACTED	· · · · · · · · · · · · · · · · · · ·
ANALYST	<u>TK</u>
UNITS	pH Units
BATCH_ID	WPH-095
COMMENTS	



3711 Admiral, Suite C + El Paso, Texas 79925

Page 6

LABORATORIES, INC. • 7300 Jefferson, N.E. • Albuquerque, New Mexico 87109

REPORT

Work Order # 93-05-111

Received: 05/17/93

Results by Sample

FRACTION 01B SAMPLE ID CAUSTIC WASH TANK TEST CODE WREACT NAME Reactivity in water

. 11.

Date & Time Collected 05/11/93

Category WATER

PARAMETER

RESULT

LIMIT

DF

DATE ANAL

Sulfide Cyanide NON-REACT

500

1.0 05/26/93

NON-REACT 250 1.0 05/26/93

Notes and Definitions for this Report:

EXTRACTED

05/11/93

ANALYST _TK

UNITS

mq/L

BATCH ID COMMENTS

WREACT-003

N/A

REPORT

Work Order # 93-05-111

Received: 05/17/93

Results by Sample

FRACTION 01D SAMPLE ID CAUSTIC WASH TANK TEST CODE Z8240 NAME ZHB/TCLP Volatiles /water Category **MATER** Date & Time Collected 05/11/93

PARAMETER	RESULT	LIMIT	D_F	DATE_ANAL
Vinyl Chloride	ND	0.0010	50	05/26/93
1,1-Dichloroethene	ND	0.0010	50	05/26/93
Chloroform	ND	0.0010	50	05/26/93
1,2-Dichloroethane	ND	0.0010	50	05/26/93
2-Butanone (MEK)	1.9	0.0010	50	05/26/93
Carbon Tetrachloride	ND	0.0010	50	05/26/93
Trichloroethene	ND	0.0010	50	05/26/93
Benzene	ND	0.0010	50	05/26/93
Tetrachloroethene	ND	0.0010	50	05/26/93
Chlorobenzene	ND	0.0010	50	05/26/93
1,4-Dichlorobenzene	ND	0.0010	50	05/26/93

Notes and Definitions for this Report:

EXTRACTED	·
ANALYST JS	
FILE ID	V1384
UNITS	mq/L
BATCH_ID	TVOA-40
TCLP XT DATE	05/18/93





Work Order # 93-05-111

RI

REPORT

ceived: 05/17/93

05/28/93 13:27:07

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, 199#4

Ms. Kathy Brown
State of New Mexico Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

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

Environmental Biologist

Retract.LTR

cc: Mr. Denny Foust, NMOCD Aztec, NM office. File

RMY/rmy

Roger Anderson

LAN SIVISION :				
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
4. Generator ☐ 1 ☐ 0 2				
M 12-03 IROFECH				
5. Name of Originating Site				
ENVIROTECH				
6. Name of Transporter				
GNVIROTECH				
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-cilled exempt westes 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.				
All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical ensylves to prove the meterial is non-hazardous and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.				

BRIEF DESCRIPTION OF THE MATERIAL:

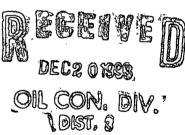
Contaminated Sois FROM EQUIPMENT Used in OILFIELD.
Contaminated Son EXCAUATIONS.
Soils'

DECENTED

DEC2 8 1993

OIL CON. DIV

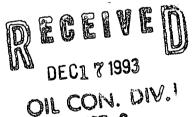
DIST. 3



	டு வ	
	Volume (to be entered by the operator at the end of the haul);	· · · · · · · · · · · · · · · · · · ·
heraby certify that the information above is true and complete to the best	•	- 2
SIGNATURE Kohert M Young	_TITLE _LANDFARM SUPERVISE	DATE 12/16/95
TYPE OR PRINT NAME ROBERT YOUNG	TELEPHONE NO	o. 505-632-0615.
(This space for State Use)		`
APPROVED BY Denny 2. Jan	1 TITLE GEOLOGIST	DATE 12/19/93
APPROVED BY LAKE M. From		DATE 12/27/93
CONDITIONS OF APPROVAL IF ANY		

Kathy Brown	
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: OF THE CONSERVATION DIV	4.0 Generator
verdal Approval Necesived. 163 - 140 -	Mal.
2. Destination / 93 DEG 15 AM 8	Name of Originating Site
Enviratech Land Farm # 2	Valverde Gas Plant
3. Address of Facility Operator	6. Name of Transporter
5796 & Hiway 64 farmington 7. Location of Material (Street Address or ULSTR)	Envirotech
7. Location of Material (Street Address or ULSTR)	8. State
A-14-T29N-R11W	New Mexico
9. Check One	
A. All requests for approval to accept diffield 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 westes will be accompanied by a certification of waste status. Mexico Environment Department or other appropriate government agency; two certificates per job.	
Mexico providented Department of other appropriate government agency; two cartificates per job. G. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to provide and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	re the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
Soil Matrix Contaminated w.	Thermalene 550
heat Transfer oil	- -
	•

Laboratory analysis provided



	DEC1 7 1993	DEC1 31993
	OIL CON. DIV.	OIL CON 2.4.
Estimated Volume 30 - 40 cv	Known Volume (to be entered by the operator at the	e and of the hault:
SIGNATURE AREA FOR PRINT NAME HAVEN	isan TITLE Land fa	TELEPHONE NO. 632 0615
(This space for State Use) APPROVED BY Down 2. 2	2 4	DATE 12/7/93
APPROVED BY MUNICIPALITY	TITLE Geologis	DATE 12/16/93

CONDITIONS OF APPROVAL, IF ANY:

Sent Santa Fe 12/3/93
Resabmitted 12/13/93 with all
the lab sheets

2-B13	Rec_12/30/93	Bo4:4460	•	9321
	MeL_ MODINO			, -

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: □	4. Generator
Verbal Approval Received: Yes No Denny Foust 12/27/93	Holgate Oilfield Services
2. Destination	5. Name of Originating Site
Landfarm #2 HILLTOP, NEW Mexico	Holgate Oil Field Services
3. Address of Facility Operator	6. Name of Transporter
5796 US Highway 64-3014	Holgate OilField Services 8. State
7. Location of Material (Street Address or ULSTR)	8. State
201 Fredrick, Artec New Mexico	New Mexico
1	

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 westes will be accompanied by a cartification 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 westes 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 - T29W-R13W



B-13

Estimated Volume			by the operator at the end of the haulj:	9/2 BOL \$ 8462
SIGNATURE Over M.	11	-	Garn Supervison	DATE /2/27/87
TYPE OR PRINT NAME ROA	MT M. YOUNG		TELEPHONE N	NO. 505-632-0615
(This space for State Use) APPROVED BY Denny	g. Fourt	TITLE	Geologist	DATE 1/3/94
APPROVED BY	Burch	TITLE	no	DATE

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	g Location: Holgate Directo Services	-
Source: <u>(x</u>	cass drilling Mud-dried	·
Disposal Lo	ocation: 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 Holgets Oilfield Services concur with the status of the waste from the subject site.

X Name Rob	ert C Holgata
X Title/Agend	y Holgate Oilfield Service, Inc.
× Address	201 Frederick St Aztec, NM 87410
> Signatura_	Kout CHAIDE by SHILSTE
> Date	12/29/93

Rec 12/30/93 Boc 4460

CERTIFICATE OF WASTE TRANSPORT

Originating Location	no Holgate Dil Field Services
	tion: exces drilling mud-dried
	Oilstell Services
Disposal Location:	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2

"We, the transporters, certify the meterial 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:	Robert C Holgate
Company	Holgate Oilfield Service, Inc.
	201 Frederick St
	Aztec, NM 87410
>>> Signati	- Spart Cother by 5 the ot
XDate:_	December 29, 1993

	
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: Output	4. Generator
Verbal Approval Received: Yes □ No ☑	m/1 - 1
2. Destination , ,	5. Name of Originating Site
Enviratech Land Farm # 2	
Hill top NM	Valverde Gas Plant
3. Address of Facility Operator	6. Name of Transporter
7. Location of Material (Street Address or ULSTR)	Envirotech
7. Location of Material (Street Address or ULSTR)	8. State
1-11-Tan-1111	New Mexico
A-14-T29N-R11W	New Mexico
9. Check One	
A. All requests for approval to accept offfield exempt wastes will be accompanied by a certification of waste fro	the Generalizer and contilleges are in-
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste	
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 chamical analyses	· · · · · · · · · · · · · · · · · · ·
and the Generator's certification of origin. No wester classified as hazardous by listing or testing will be appro-	
All transporters must certify the westes delivered are only those consigned for transport.	· · · · · · · · · · · · · · · · · · ·
	·
RIEF DESCRIPTION OF THE MATERIAL:	
	Thousand our oct
Soil Matrix Contaminated	with Thermalene 550
	with Thermalene 550
Soil Matrix Contaminated heat Transfer oil	with Thermalene 550
heat Transfer oil	
heat Transfer oil	ovided
heat Transfer oil	
heat Transfer oil	ovided DEGETTED
heat Transfer oil	ovided
heat Transfer oil	DECI31993.
heat Transfer oil Laboratory analysis pr	DECLIS 1993.
heat Transfer oil Laboratory analysis pr stimated Volume 30-40 cy / Known Volume (to be entered by the oper	DECI 3 1993. OIL CON. DIV. B-19,
heat Transfer oil Laboratory analysis pr stimated Volume 30-40 cy Known Volume (to be entered by the oper hereby certify that the information above is true and complete to the best of my knowledge and belief.	DEGLIS 1993. OIL CON. DIV. B-19, DIST. 396
heat Transfer oil Laboratory analysis pr stimated Volume 30-40 cy Known Volume (to be entered by the oper hereby certify that the information above is true and complete to the best of my knowledge and belief.	DECI 3 1993. OIL CON. DIV. B-19, OIST. 346
heat Transfer oi Laboratory analysis pr stimated Volume 30-40 cy Known Volume (to be entered by the oper hereby certify that the information above is true and complete to the best of my knowledge and belief. GIGNATURE Darvey Africa TITLE Jand	DEGLIS 1993. OIL CON. DIV. B-19, DIST. 3 Aug. DATE 12/6/2
heat Transfer oi Laboratory analysis pr stimuted Volume 30-40 by Known Volume I to be entered by the oper hereby certify that the information above is true and complete to the best of my knowledge and belief. IGNATURE Dancey Africa TITLE Jand	DECLIS 1993. OIL CON. DIV. B-19, OIST. 396
heat Transfer oil Laboratory analysis pr stimated Volume 30-40 cy Known Volume (to be entered by the open hereby certify that the information above is true and shaplets to the best of my knowledge and besief. IGNATURE Darvey Africa TITLE Land YPE OR PRINT NAME Harvey R Johnson	DECINATION DIV. B-19, ator at the end of the hault:
heat Transfer of Laboratory analysis pr stimated Volume 30-40 by Known Volume Ito be entered by the oper hereby certify that the information above is true and somplets to the best of my knowledge and belief. SIGNATURE Dance Africa TITLE Jand TYPE OR PRINT NAME Harvey R Johnson	DECINATION DIV. B-19, DIST. 3 TELEPHONE NO. 6.3.2. 0615
heat Transfer oi Laboratory analysis pr Laboratory analysis pr Estimated Volume 30-40 cy Known Volume (to be entered by the oper hereby certify that the information above is true any samples to the best of my knowledge and besief. SIGNATURE Darvey African TITLE Jand TYPE OR PRINT NAME Harvey R Johnson This space for State Use)	DECINATION DIV. B-19, DIST. 3 TELEPHONE NO. 6.3.2. 0615
heat Transfer oil Laboratory analysis pr stimated Volume 30-40 cy Known Volume Ito be entered by the oper hereby certify that the information above is true any somplete to the best of my knowledge and belief. SIGNATURE parsey April TITLE Jand TYPE OR PRINT NAME Harvey R Johnson	DECI 3 1993. OIL CON. DIV. B-19, DIST. 3 TELEPHONE NO. 6.3.2 0615

Sent Santa Fe 12/3/93
Me-sabin Hed 12/13/93 with
all the lab sheets.

Envirotech Inc.

Underground Tank Testing . Site Addressment . Site Remediation

8796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

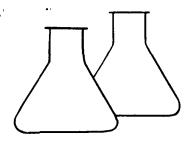
<u> NON-EXEMPT WASTE MATERIAL</u>

Originating Location:	Valverde	Plant - M.O.I.
sources Soil Matrix	contamina	ted with Thermalene 55°C
hisposal Location: Env	irotach Soll Reme Milltop.	diation Facility, (ESRF) New Mexico

"As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as derined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Dotormination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 361 to verify the nature as non-hexardous. 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 "hezardous waste" pursuant to the provisions of 40 CFR, section 261.3(b)."

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

Name Craig A. Book
Title/Agency Assoc. Environmental
Address BO Box 4289 Forming lon,
Signature J. Sont
Date /8/7/93

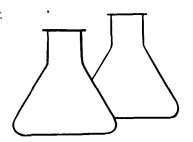


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client: Meridia	n Oil Inc.	Project #:	92197
Sample ID: Thermal	ene 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 & 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	ИД	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE	RECOVERIES:	Parameter	Percent R	ecovery
		Bromochloromethane	1	03 %
		Bromofluorobenzene	1	02 %



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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.

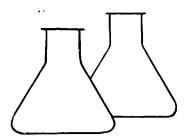
Comments:

Val Verde Plant

5-point composite from stockpiled soils

Apalyet

Review



EPA METHOD 8040 PHENOLS

Client:	Meridian Oil Inc.	Project #:	92197
Sample ID:	Thermalene Contam So	il Date Reported:	11-17-93
Laboratory Nu	mber: 6437	Date Sampled:	11-05-93
Sample Matrix	: Soil	Date Received:	11-05-93
Preservative:	Cool	Date Extracted:	11-10-93
Condition:	Cool & Inta	ct 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 2,4,6-Trichlorophenol	ND ND	0.040 0.020	200.0 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:

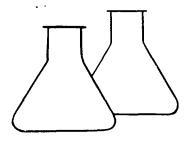
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Val Verde Plant

Review Review



EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client: Merid:	ian Oil Inc.	Project #:	92197
Sample ID: Therma	alene 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

•	Concentration	Det. Limit	Regulatory Limit
Parameter	(mg/L)	(mg/L)	(mg/L)
1			
Pyridine	ND	0.020	5.0
Hexachloroethane	ND	0.020	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5

ND

ND

SURROGATE	RECOVERY:	Parameter	Percent	Reco	overy
		2-fluorobiphenyl		98	%

Method:

2,4-Dinitrotoluene

HexachloroBenzene

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

0.020

0.020

0.13

0.13

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.

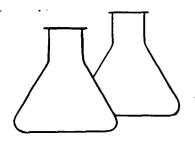
Comments:

Val Verde Plant

5-point composite from stockpiled soils

Analyst A. Gelle

Review D. Moren



EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client: Meridian	Oil Inc.	Project #:	92197
Sample ID: Thermale	ne 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:

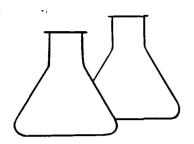
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Val Verde Plant, 5-point composite from stockpiled soils

Analyst Gener

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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 Cool Preservative: 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

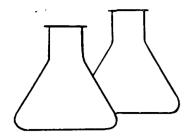
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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



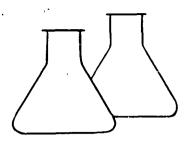
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EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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	ИD	0.005	7.5

SURROGATE RECOVERIES:	Parameter Percen	t Recovery
	Bromochloromethane	96 %
	Bromofluorobenzene	98 %



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

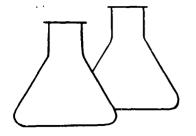
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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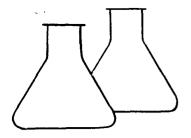
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EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	NA	Project #:	N A
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

		Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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 Per	cent Recovery
		Bromochloromethane	98 %
		Bromofluorobenzene	97 %



EPA METHODS 8010/8020

AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS
Pq 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:

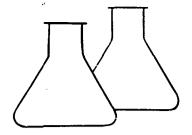
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst

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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	
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-tribromoph	nenol	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:

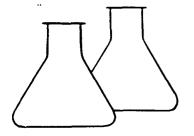
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

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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	Per	cent Recovery

2-fluorophenol	101	ક	
2,4,6-tribromophenol	98	ક	

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.

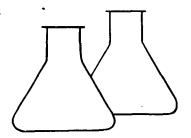
Note:

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:

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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 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-fluorobiphenvl	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:

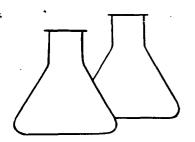
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	NA	Project #:	ΝĀ
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:

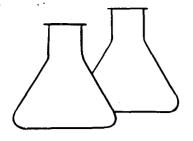
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Method Blank

Analyst Gener

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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

•	Instrument	Extraction Sol.	Det.
	Blank	Blank	Limit
Parameter	(mg/L)	(mg/L)	(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

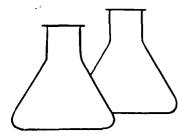
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst ()

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

Client:
Sample ID:
Laboratory Number.

Laboratory Number: Sample Matrix: Analysis Requested:

Condition:

NA Laboratory Spike

6480STCV. Soil

TCLP NA Project #: NA

Date Reported: 11-15-93

Date Sampled: NA Date Received: NA

Date Analyzed: 11-12-93

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	10.6	5.2	100	28-163
2-Butanone	94	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.

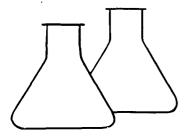
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review Joung



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: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	NA NA NA TCLP Ext TCLP NA	ract	Date Date Date Date	Report # : Report Samp : Rece: Analy	rted: led: ived:	NA 11-12-93 NA NA 11-12-93 NA
	Spike Added	Sample Result	-	piked Resu	Sample ult	Percent
Parameter	(ma/I.)	(ma/T.)		/ m cr	/T. \	PACOVARY

•	Added	Result	Result	Percent
Parameter	(mg/L)	$(\mathtt{mg/L})$	(mg/L)	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	૪
			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:

Analyst Gessen

Review Onema

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location	4		Ì									
MERIDIAN OR IN	HAL VE	ZOE PLAM	VAL VET	DE PL	ANT	•	921		ANA	LYSIS/F	PARAMETER	IS			
Sampler: (Signature)	/		Chain of Custody				בנה							Remarks	
Sampler: (Signature)	ng	1	. '		· .	No. of	ainers OL, SK TALS, I		·			-			
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix	2	TCLP VOL, Seni- VOL, METALS, PLEAS	1 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5							
THERMALANE	11/05/93	1230	/427		٠٠٠	I	1					_	-	COMPUS	
CONTAMINATED SITE	בדןכטווו	, 250	6437	_	OIL			ļ	ļ			FR	OM 51	VCKPILET	SCFL.
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Relinquished by: (Signature)			1	Date	Time	Received by	: (Signature	<u> </u> 	<u> </u>	i	L	!	1	Date	Time
Robert M Cheing				1/05/93	1300	10	· ~/	Tuit	Sing .					11/05/93	1400
Relinquished by: (Signature)						Received by	Signature)							-
		,													
Relinquished by: (Signature)		•				Received by	(Signature)							
				<u> </u>	:					·					

Envirotech Inc.

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

san juan repro Form 578-81

r	
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: □ Non-Exempt: □	4. Generator
Verbal Approval Received: Yes ▼ No □ Denny Foist 12/01/95	Lesco
2. Destination	5. Name of Originating Site
Landfarm #2, Holltop New Mexico	Pesco
3. Address of Facility Operator	6. Name of Transporter
5796 US Huss 64-2014 Exemple 11 44 9741	EUNTOODER 4
7. Location of Material TStreet Address or ULSTR 80 45 Hwy 64	8 State
Daniel (2)	1/ 11
PROCESS Equipment (Pesco) Formington, NM 8742	» Paw Mexico
9. Check One	
A. All requests for approval to accept diffield 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 westes will be accompanied by a certification of weste status	
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 pro-	ve 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	
6,1000	
DECT ON ONE	
OFCI PORTO	
and the second s	
	E-16
Estimated Volume Cy Known Volume (to be entered by the operator at	111
Thereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE Kolent M Grung TITLE LANDE FRA	SUPERVISER DATE 12/07/93
TYPE OR PRINT NAME ROBUST IL YOUNG	TELEPHONE NO. 508 632-0615
(This space for State Use)	
	1711/192
APPROVED BY Denny J. town TITLE Geolog	DATE 12/16/13
APPROVED BY	DATE 13/17/8

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

resco

Originating Location:	28CO
Source: Dehy & Seperator	- Studge - Amoco - Meridian - C
Disposal Location: Envirote	ech Soil Remediation Facility, (ESRF) Hilltop, New Mexico
that this waste is a Environmental Protection Determination. To my pursuant to the provisionature as non-hazardo knowledge no "hazardo provisions of 40 CFR, added or mixed with the state of the state	us or listed waste" pursuant to the Part 261, Subparts C and D, has been he waste so as to make the resultant aste" pursuant to the provisions of 40
	he waste from the subject site.
	Name X CHARLEY TYLER
	Title/Agency
	Address
Wecelaew	Signature X Charles Tyles
DECI 61993	Date Dec 78, 1993
OIL CON. DIV.I DIST. 3	,

ENV RO'EC.

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:	roces Equipment Service Co
Source of Contamination:_	Dehy & Tiperatur Studge
Generator: Meridian	Amore -
	otech Soil Remediation Site, Hilltop, New Mexico arm #1 Landfarm #2
ERIOL CONTRACTOR	dim #1 Danataim #2
-	
from the above locat with and is the s	es, certify the material hauled tion has not been added to or mixed same material received from the above, and that no additional materials have
	Name: Charles of the same
	Company: Envirated
DECEIVED	
DEC1 61993.	./ /2/
on con. div.j	Signature: January & Junear
DIST. 2	Date: 12/7/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: ☑ Non-Exempt: □	4. Generator
Verbal Approval Received: Yes \(\Omega \) No \(\Omega \) \(\text{ERNTE Bus H} \) 12/14/93 \(\text{910 Au} \)	Western Gas Processirs
2. Destination	5. Name of Originating Site
Landfarm #2, Hillip, Nu g	Western Gas Processors
3. Address of Facility Operator	6. Name of Transporter
5796 US. Hwy 64-304, Farmington, Nu 8740/ 7. Location of Material (Street Address or ULSTR)	ENVIDOTECH, INC
7. Location of Material (Street Address or ULSTR)	8. State
99 Road 6500, KIRTLAND P.O. Box 70, Kirtland, Nu 87417	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.

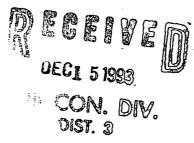
All transporters must certify the westes delivered are only those consigned for transport,

Mexico Environment Department or other appropriate government agency; two certificates per job.

and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.

BRIEF DESCRIPTION OF THE MATERIAL:

Residue Solids from gathering System



C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is non-hazardous

	E-10
Estimated Volume	the end of the haull:cy
hereby certify that the information above is true and complete to the best of my knowledge and belief.	in hube
SIGNATURE MALES MY Grung TITLE LAWS FREN SUPE	DATE 12/14/95
TYPE OR PRINT NAME KOBGRT M. YOUNG	TELEPHONE NO. 505-632-0615
(This space for State Use)	
APPROVED BY Demy J. Dem TITLE Geol	DATE 12/15793
APPROVED BY Sund TITLE GEO	DATE 18-15-93

Envirotech Inc.

92187

UNDERGROUND TANK TESTING . SITE ASSESSMENT . SITE REMEDIATION

5796 U.S. HIGHWAY 64 · 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (506) 632-0615

CERTIFICATE OF WASTE STATUS CILFIELD EXEMPT WASTE

originating	Location: 99 Road	6500, KIRLLAND, NM	- Western Gas	Processous
Source: INL	ST SLUDGE FROM	GATHEMEDUG SYSTE	щ	
Disposal Loc	ation: Enviroted	h Soil Remediat:	ion Facility.	(ESRF)
	cation: <u>Enviroted</u>	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 645 Professor concur with the status of the waste from the subject site.

Name ARIVA Thors.	لم
Title/Agency Fis/d	SupERVISOR
Address P.D. Roy 7	O Kirlkand
signature Ot Il	oar
Date 14/17/85	

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 Locatio	n: 99 Rd 6500 Kirtland,	NH 87417
Source of Contamina	tion: Inlet Sludge from gath	oring System
Generator: Western	Sas Processors	<u> </u>
Disposal Location:	Envirotech Soil Remedi Hilltop, New Landfarm #1	ation Site, , Mexico 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."

42 821,822

	,
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes □ No □ /2/c3/93	Meridian Oil INC
2. Destination	5. Name of Originating Site
Candform # 2 Hilltop, New Marico	McGrath # 4 Sun Facility
3. Address of Facility Operator	6. Name of Transporter
5796 US Howy 64-3014, Farmington, Nr. 87401	Sunco Trucking
7. Location of Material (Street Address or ULSTR)	8. State
(B) 534, T30N, RIZW NUPM	New Mexico

9. Check One

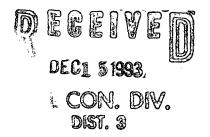
- 🙉 A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
- B. All requests for approval to accept non-cilifield exempt westes will be accompanied by a certification of weste status from the Generator 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 westes delivered are only those consigned for transport,

BRIEF DESCRIPTION OF THE MATERIAL:

CONDITIONS OF APPROVAL, IF ANY:

Semi-Solid Residue from Siltration System at injection well,



B-21,8-22

Estimated Volume	70U 64	Known Voluma (to be a	ntered by the operator	at the end of the haul): 480	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
//	ition above is true and complete t			SUPERVITOR DATE	12/06/93
SIGNATURE Solen	VA young	TITLE _ <u>&</u>	MARARM	SUP BY UDSOR DATE	4410743
TYPE OR PRINT NAME _	ROBERT M. YOU	NG.		TELEPHONE NO. <u>505~63</u>	-06/5
(This space for State Use)	my 2, 700		Geol	DATE	12/15/93
APPROVED BY	B	1	(Oco		12-15-93
APPROVED BY	we lluge	1110	<u></u>	DATEZ	

Er otech Exempt Waste anifest Meridian Oil Inc.

J. F. + 418 A. 3, 422, 618 618

PO Box 4289, Farmington, NM 87499

92115-03 1F2-Bal

MOI	1.	Waste Location: Lease/Well No. McCarafh #4 SWT)
Safety and Environmental	2.	Volume: Spic Yards) Barreis Bailons
-	3.	Description of Waste: Filtered Sludge & Solids mixed
		in a Soil Matrix (NO Free liquids)
	4.	Method of Waste Generation: Solids Separation Com
And the second s		incoming fluids to be disposed of in an injection
	5:	Disposal Cost:
	6 .	This waste material compiles with the definition of exempt waste as listed in 40 CFR 261.4
-		Accroval for Disposal
MOI		Transportation Company: Sunco Trucking (880 bb/s
On Site Representative		Date(s) Transported: 11/4 And 11/5/93
	•	MOI Representative on Site Signature)
Envirotech		Date(s) Received: 445 Nov 1993
Comprete and return to		Total Volume Received: 880 Barrels
Mendian Safety and		Waste Location: Cell/Grid No. 14.A. 2 45. #2
Environmental with invoice.		Received By: Sugnature:
		in the second of

92115-03 6F2-B21 B22

CERTIFICATE OF WASTE TRANSPORT

Originating Location: $M, \partial \overline{L}$,	Mc Grath
Source of Contamination: Sau	
Generator: Meridian Di	
Disposal Location: Envirotech So Landfarm #1 Landfarm	oil Remediation Site, Hilltop, New Mexico #2XNMED Landfarm
• · · · · · · · · · · · · · · · · · · ·	
added to or mixed with and is the same	ial hauled from the above location has not been ne material received from the above mentioned itional materials have been added."
-	Name:
	Company: June Trucking
	Signature: Mar Whit-Greed
	Date: $\frac{3/6}{93}$

,			
	92117		
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	[XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
RCRA Exempt: Non-Exempt: X	4. Generator		
RCRA Exempt: Non-Exempt: Verbal Approval Received: Yes DL CONSERVED RECEIVED	EL Paso NATURAL GAS CO.		
2. Destination 93 NO 123 AM 10 47	5. Name of Originating Site		
ENVEROPECH LANDEARM # 2	LINDRITH PLANT		
3. Address of Facility Operator	6. Name of Transporter		
5796 US HWY 64-3014	EPNG		
7. Location of Material (Street Address or ULSTR)	8. State		
LINDRITH FLANT SE/4 SEC 18 TZ4N ROSW	Ny		
9. Check One Rio Arriba County.			
A. All requests for approval to accept difficial exempt wastes will be accompanied by a certification of waste from the	Generator; one certificate per job.		
D 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 pro	e the material is non-hazardous		
and the Generator's certification of origin. No weste 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 compresson engine on Spills and from non-exempt underground storage tank over fills. TESTED BY EPN & For Characteristics.



see orginal submission
8/9/93

Includes better testing and environmental information. Need confirmed by 1805 en

		τ	7/1/43			J-S	
451111111111111111111111111111111111111	300-400		olume (to be entered by		at the end of the haul):	CY	cy
	na information above is true and	complete to the best of			· · · · · · · · · · · · · · · · · · ·		
SIGNATURE TO	bert M Gang		TITLE Landfa	ch V	SURVIOR	DATE <u></u>	4-93
7				•			
TYPE OR PRINT	NAME ROBERT M	. YOUNG			TELEPHONE NO.	505-632-0	615
(This space for State	Use)	-	1				
APPROVED BY	Demy	, four	TITLE (Feolo	25 15 T	DATE 717	13/93
APPROVED BY	//	\sim			mean Ohiy	/	/ .
CONDITIONS OF APP	PROVAL, IF ANY:						

Santa Fe

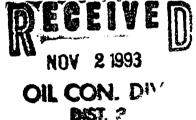
11/19/93

Santa Fe 11/3/93

	/	92117					
,	REQUEST FOR APPRIAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxx					
, 1.	RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator					
	PRCRA Exempt: ☐ Non-Exempt: ☐ CONSERVE UN DIVISION Verbal Approval Received: Yes ☐ CONSERVE VED	EL Paso NATUREL GAS CO.					
2.	Destination '93 NO : 2.7 AM 10 47	5. Name of Originating Site					
E	IVERSITECH LANDEARM # 2	LINDRIFH PLANT					
3.	Address of Facility Operator	6. Name of Transporter					
5	796 US HWY 64-3014	EPNG					
7.	Location of Material (Street Address or ULSTR)	8. State					
2	ENDESTH FLANT SELY SEC 18 T24N ROSW	Ny					
9.	Check One Rio Arriba County.	-					
0,	A. All requests for approval to accept diffield 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.						
X	C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical ensylves to prove the material is non-hazardous and the Generator's certification of priori. No waste classified as hazardous by listing or testion will be approved.						

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Sils generated from compressor engine on Spills and from non-exempt underground storage tank over fills. TESTED BY EPNE For Characteristics.



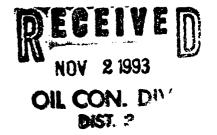
NOV 2 1993 OIL CON. DIV
Estimated Volume 300-400 cy Known Volume (to be entered by the operator at the end of the haul):
SIGNATURE Holes His Union share is true and complete to the best of my knowledge and belief. SIGNATURE Holes His Yearns DATE 8-4-93
TYPE OR PRINT NAME ROBERT M. YOUNG TELEPHONE NO. 505-632-0615
APPROVED BY Demy 2, Fourt TITLE 600015T DATE 11/3/93
APPROVED BY Form Churchen TITLE For Passan Chief DATE 11/29/9
CONDITIONS OF APPROVAL, IF ANY:
Sountin Fe Santa Fe Includes better testing and environmenta, 11/3/93 11/19/93 information. Need commentally 1805 en

	92117
REQUEST FOR APPROOL TO ACCEPT SOLID WASTE	(XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: □ Non-Exempt: ▼ Verbal Approval Received: Yes □ No ▼	4. Generator
	EL Paso NATUREN GAS CO.
2. Destination	5. Name of Originating Site
ENVEROTECH LANDEARN # 2	LINDRITH PLANT
3. Address of Facility Operator	6. Name of Transporter
5796 US HWY 64-3014	EPNG
7. Location of Material (Street Address or ULSTR)	8. State
LINDRITH PLANT SE/4 SEC 18 T24N ROSW	Ny
9. Check One Rio Arriba County.	
A. All requests for approval to accept diffield exempt wastes will be accompanied by a certification of waste from	n 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. Mexico Environment Department or other appropriate government agency; two certificates per job.	status from the Generator and the New
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses and the Generator's certification of origin. No weste classified as hazardous by listing or testing will be approv	to prove the material is non-hazardous

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

BRIEF DESCRIPTION OF THE MATERIAL:

Contaminated Soils generated from compressor engine on Spills and from non-exempt underground storage tank overfills. TESTED BY EPNE For Characteristics.



Estimated Volume	300-400	_ cy Known Volume (to be enter	red by the operator at the end of the hauli:	cv
SIGNATURE	hydromation above is true and confirming	omplete to the best of my knowledge and	dharm Syperison	DATE
TYPE OR PRINT	NAME ROGETET M.	Young	TELEPHONE N	0. <u>575⁻⁶32-0615</u>
(This space for State	Demy Z.	Fourt TITLE	Geologist	DATE 71/3/93
APPROVED BY		TITLE		DATE
CONDITIONS OF AP	PROVAL, IF ANY:			

Sunta 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

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, Hillton, 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: Ann Pundani

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

Company: El Paso Natural Gas

Address: P.D. 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: Unu Pundari

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

Company: El Paso Natural Gas

Address: P.O. Box 4990; Fmn 87499



ATI I.D. 307322

July 28, 1993

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

Project Name/Number: LINDRITH POND/50()

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.

iakoush

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

Letitia Krakowski

Project Manager

GJ:td

Enclosure

Gregory R. Jordan

Laboratory Manager



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 D	ATE COLLECTED
02	N30771 - Sail 1/1/2 #1	NON-AQ 0	7/08/93
03	N30772 - Soil Pile #2		7/08/93



----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 late of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



GENERAL CHEMISTRY RESULTS

ATI I.D. : 307322

: EL PASO NATURAL GAS CO.

DATE RECEIVED: 07/09/93

PROJECT # : (NONE)
PROJECT NAME : LINDRITH POND / 5011 Pile S

REPORT DATE : 07/28/93

PARAMETER

UNITS

01

02

IGNITABILITY (ATI P10.618)

NEG

NEG

NEG

03

did not ignite 140 Forwhill

OIL CON DIST



METALS RESULTS

MG/L

MG/L

MG/L

ATI I.D. : 307322

: EL PASO NATURAL GAS CO. CLIENT

PROJECT # : (NONE)

MERCURY (TCLP 1311/7470)

SELENÎUM (TCLP 1311/6010)

LEAD (TCLP 1311/6010)

11 0105

DATE RECEIVED: 07/09/9

PROJECT NAME : LINDRITH POND	15011 4113	<i>'</i>		REPORT DATE	: 07/28/93
PARAMETER	UNITS	01	02	03	
SILVER (TCLP 1311/6010) ARSENIC (TCLP 1311/6010) BARIUM (TCLP 1311/6010) CADMIUM (TCLP 1311/6010) CHROMIUM (TCLP 1311/6010)	MG/L MG/L MG/L MG/L MG/L	<0.010 <0.1 1.85 <0.005 <0.010	<0.010 <0.1 0.938 0.007 <0.010	<0.010 <0.1 0.970 0.006 <0.010	

<0.10

<0.1

<0.0002 <0.0002 <0.0002

<0.1

<0.10 <0.10

<0.1



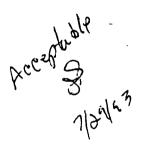
METALS - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME: LINDRITH POND / Soil (1/25) ATI I.D.: 307322

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP. RESULT	RPD	SPIKED SAMPLE		s RE
SILVER (IN TCLP) ARSENIC (IN TCLP) BARIUM (IN TCLP) CADMIUM (IN TCLP) CHROMIUM (IN TCLP) MERCURY (IN TCLP) LEAD (IN TCLP) SELENIUM (IN TCLP)	MG/L MG/L MG/L MG/L MG/L MG/L MG/L	30732203 30732203 30732203 30732203 30732203 30732203 30732203 30732203	<0.1 0.970 0.006 <0.010 <0.0002 <0.10	<0.010 <0.1 0.944 0.007 <0.010 <0.0002 <0.10	NA	0.967 1.1 1.95 0.976 0.953 0.0050 0.97	1.00 1.00 1.00 1.00 0.0050 1.00	97 11 98 97 95 10 97





GAS CHROMATOGRAPHY RESULTS

ATI I.D.: 307322

CLIENT

BTEX (EPA 8020)
EL PASO NATURAL GAS CO.
(NONE)
LINDRITH POND(Gol) Viley PROJECT # : PROJECT NAME:

SAMPLE I.D. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01 02 03	N30770 N30771 N30772	QA-non QA-non QA-non	07/06/93 07/08/93 07/08/93	07/12/93 07/12/93 07/12/93	07/12/93 07/12/93 07/12/93	1 1 1
PARAMET	ER	UNITS	01	02	03	
BENZENE TOLUENE ETHYLBEI TOTAL X	NZENE	MG/KG MG/KG MG/KG MG/KG	<0.025 <0.025 <0.025 <0.025	<0.025 <0.025 <0.025 <0.025	<0.025 <0.025 <0.025 <0.025	
BROMOFL	UOROBENZENE (%)		73	85	82	•



GAS CHROMATOGRAPHY RESULTS

REAGENT BLANK

BTEX (EPA 8020) TEST

ATI I.D.

BLANK I.D. 071293 DATE EXTRACTED :

07/12/93

CLIENT

EL PASO NATURAL GAS CO.

MG/KG

MG/KG

MG/KG

MG/KG

-DATE ANALYZED :

07/12/93

PROJECT #

BENZENE

TOLUENE

: (NONE)

PROJECT NAME: LINDRITH POND 1561 1/45

ETHYLBENZENE

<0.025

<0.025

<0.025

DILUTION FACTOR:

11.00201		 - 0	7013	Alex
PARAMETER	2		UNII	'S

TOTAL XYLENES BROMOFLUOROBENZENE (%)

91

<0.025



BTEX (EPA 8020)

TEST

GAS CHROMATOGRAPHY - QUALITY CONTROL

MSMSD

MSMSD # 30732201 DATE EXTRACTED: 07/12/93 CLIENT EL PASO NATURAL GAS CO. DATE ANALYZED : 07/12/93 PROJECT # (NONE) SAMPLE MATRIX : NON-AQ LINDRITH POND Gol (Piles) PROJECT NAME: 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 . 1 Jan 147

ATI I.D.

307322



GENERAL CHEMISTRY RESULTS

ATI I.D. : 307322

CLIENT : EL PASO NATURAL GAS CO. DATE RECEIVED : 07/09/91

PROJECT # : (NONE)

PROJECT NAME : LINDRITH POND / 5011 1/165 REPORT DATE : 07/28/93

PARAMETER UNITS 01 02 03

IGNITABILITY (ATI P10.618) NEG NEG NEG

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT : EL PASO NATURAL GAS CO.

PROJECT # : (NONE)

PROJECT NAME: LINDRITH POND /501 (1/4) ATI I.D.: 307322

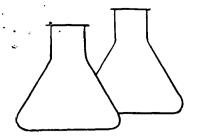
SAMPLE DUP. SPIKED SPIKE %
PARAMETER UNITS ATI I.D. RESULT RESULT RPD SAMPLE CONC RE
IGNITABILITY 30732201 NEG NA NA NA NA

Acceptable.

% Recovery = (Spike Sample Result - Sample Result)
----- X 100
Spike Concentration

RPD (Relative Percent Difference) = (Sample Result - Duplicate Result)

Average Result



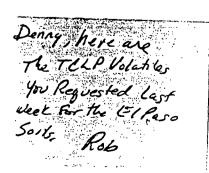
EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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:

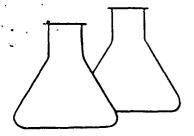
Percent	Reco	ve	rу
e	99	%	
e	97	ક	
	Percent e e	e 99	-



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OIL CON. DIV.



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.

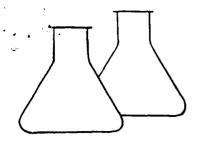
Comments:

Lindreth Plant

Analyet

Review Journa

NOV1 8 1993
OIL CON. DO

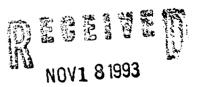


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

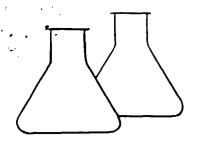
Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	11-15-93
Laboratory Number:	1112TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	11-12-93
Condition:	NA	Analysis Requested:	TCLP

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 R	ecc	very
		Bromochloromethane		96	%
		Bromofluorobenzene		98	ક



OIL CON. DIV



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:

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:

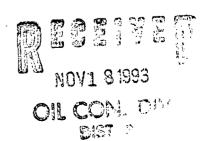
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

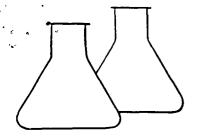
ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review Young





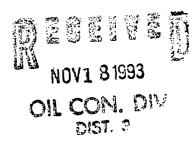
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

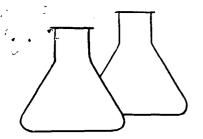
EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	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	e 98 %
		Bromofluorobenzene	97 %





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.

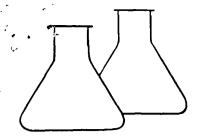
Comments:

TCLP Extraction Method Blank

Analust

Review Young

NOV1 8 1993 OIL CON. DIV



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

Client: Sample ID: Laboratory Number:

Sample Matrix: Analysis Requested:

Condition:

NA

Laboratory Spike 6480STCV.

Soil TCLP NA

Project #: NA

Date Reported: 11-15-93

Date Sampled: NA Date Received: NA

Date Analyzed: 11-12-93

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	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	ИD	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

M COM DIV. DIST 9

CHAIN OF CUSTODY RECORD

Client/Project Name	and the		Project Location		· †	,				ANA	AL YSIS/P	ARAMET	TERS			
ElPaso Nat. Go	es Co		Lindreth	Pla	ul		1					70 170 E 1	LIIO			
Sampler: (Signature)			Chain of Custody Tap				·				,				Remarks	
			92	-117			inera sa	2								
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix		No. of Containers	770								
L,F,2 J-5	11/11/93	9:30	6480	S	ril		1		·							
													į			
														٠.		
		— Ota	COAL S	Pay			,									
	:		COA, OS													
			UST. S. Line				_									
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4																
Relinquished by: (Signature)				Date	Time		ed by: (S	ignature)	٠.,	1_					Date	Time
Harvey	Hu	80m	/	1/11/93	10:00		my		ust	ano					11/11/93	1023
Relinquished by: (Signature)						Heceiv	ed by: (Si	gnature)								ī
Relinquished by: (Signature)						Receiv	ed by: (Si	gnature)	·	<u> </u>			······································	·		

Envirotech Inc.

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



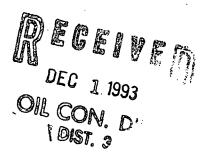
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: BOIL CONSERVITION DIVISIO	4. Generator
Verbal Approval Received: Yes □ No 中でできる。	Halliburran Logging
2. Destination '93 DET 2 AP 9 14	5. Name of Originating Site
ENVIROTECH LANDFARM #2	Wash Bay Sunp
3. Address of Facility Operator	6. Name of Transporter
5796 US. Hwy 64-3014	
7. Location of Material (Street Address or ULSTR)	8. State
3110 Bloomfield Highway, Farmington, NM 87401	NM
9. Check One	
D A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Ge	merator; one certificate per job.
B. All requests for approval to accept non-cliffeld exempt wastes will be accompanied by a certification of waste status from Mexico Environment Department or other appropriate government agency; two certificates per job.	om the Generator and the New
Mexico criviorament Department of 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 and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	the material is non-hezardous

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

BRIEF DESCRIPTION OF THE MATERIAL:

sent 12/1/93

Solids produced from washing down-hole logging tools.



E-13

Estimated Volume	cy Known Volume (to	be entered by the operator at the end of the haul);	18 ~
heraby certify that the information above is true		•	/ .
SIGNATURE Koles MM Young	ETITLE _	LANDFALM Supervisor	DATE 11/30/93
TYPE OR PRINT NAME ROBURT	-M. YOUNG	TELEPHONE NO	505 632-0615
(This space for State Use)	0 7		
APPROVED BY Demy	2. tours TI	TLE Geologist	DATE 12/1/93
APPROVED BY X ONLY	n Brown TI	TLE Geologist	DATE 12/2/93
CONDITIONS OF APPROVAL, IF ANY:			

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes □ No □	Halliburran Logging
2. Destination	5. Name of Originating Site
ENVIROTUCH LANDFARM #2	Wash Bay Sump
3. Address of Facility Operator	6. Name of Transporter
5796 US. Huy 64-3014	
7. Location of Material (Street Address or ULSTR)	8. State
3110 Bloomfield Highway, Farmington, Nu 87401	NM -
9. Check One	
A. All requests for approval to accept cliffield exempt wastes will be accompanied by a certification of waste from the G B. All requests for approval to accept non-cliffield exempt wastes will be accompanied by a certification of waste status f	_ · · · · · · · · · · · · · · · · · · ·
Mexico Environment Department or other appropriate government agency; two certificates per job.	• 0
C. All requests for approval to accept non-exempt westes must be accompanied by necessary chemical ensylves to prove	the material is non-hazardous
and the Generator's contification of origin. No waste classified as hazardous by listing or testing will be approved.	

Will fill subditions introduced from American desiration and countries countries

BRIEF DESCRIPTION OF THE MATERIAL:

Solids produced from washing down-hole logging tools.



Estimated Volume	10	v Known Volum	e (to be entere	d by the operator at	the end of the haul):		,
SIGNATURE Actes		lete to the best of my k	bne egbelworu	beliaf.		DATE 11/30/93	- -
TYPE OR PRINT NAME	ROBERTM.	YOUNG		·	TELEPHONE NO	505 632-0615	 -
(This space for State Use) APPROVED BY	my 2. 7	ant	_ TITLE	Gcol		DATE <u>/2///</u> 93	<u>}</u>
APPROVED BY			_ TITLE			DATE	-
CONDITIONS OF APPROVAL	IF ANY:						

Sent Santa Fe 12/1/93

92204

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

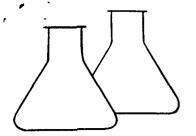
5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

Originating Location: HALLBURTON Lugging - 3110 Bloomheld Hwy, Farmington,
Source: WASH BAY SUMP SOCIALS
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



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

Client:	Hallibur	ton Logging	Project #:	92204
Sample ID:	Wash Bay	Solids	Date Reported:	11-22-93
Laboratory :	Number:	6515	Date Sampled:	11-16-93
Sample Matr	ix:	Solids	Date Received:	11-16-93
Preservativ	e :	Cool	Date Extracted:	11-18-93
Condition:		Cool and Intact	Date Analyzed:	11-22-93
			Analysis Requested:	TCLP

Parameter	Concentra (mg/L)	tion Det Limi (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

SURROGATE	RECOVERIES:	•	Parameter	Percent	Reco	very
			Bromochloromethane Bromofluorobenzene		105 102	•

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:

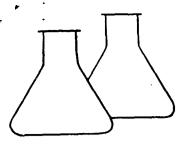
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3110 Bloomfield Highway

Analyst Appendix

Review Towns



EPA METHOD 8040 PHENOLS

Client: Hallibur	ton 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: $_{\eta}$	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:

rarameter	Percent	Recovery
2-fluorophenol	· ——	99 %
1.6-tribromonhenol		21 %

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

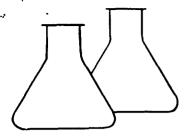
ND - Parameter not detected at the stated detection limit.

Comments:

3110 Bloomfield Highway

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Review



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EPA METHOD 8090 NITROAROMATICS AND CYCLIC KETONES

Client:	Hallibur	ton Logging	Project #:	92204
Sample ID:	Wash Bay	Solids	Date Reported:	11-23-93
Laboratory N	umber:	6515	Date Sampled:	11-16-93
Sample Matri	X :	-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	ИD	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
•	•		
•	· <u>-</u>	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

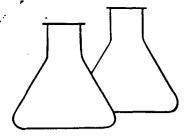
ND - Parameter not detected at the stated detection limit.

Comments:

3110 Bloomfield Highway

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EPA METHOD 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE TRACE METAL ANALYSIS

Client:	Hallibur	ton Logging	Project #:	92204
Sample ID:	Wash Bay	Solids	Date Reported:	11-22-93
Laboratory	Number:	6515	Date Sampled:	11-16-93
Sample Matr	cix:	Solids	Date Received:	11-16-93
Preservativ		Cool	Date Analyzed:	11-22-93
Condition:		Cool & Intact	Date Extracted:	11-18-93
		en in de right of the	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:

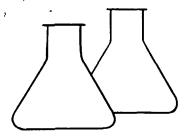
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: 3110 Bloomfield Highway

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RCRA CHARACTERISTICS

Client:

Halliburton Logging

92204

Sample ID:

Wash Bay Solids

11-18-93

Lab ID#: --Sample Matrix: ~6515 ₋

Date Reported: Date Sampled: 11-16-93

Project #: #

Preservative:

Solids Cool

Date Received: 11-16-93 Date Analyzed: 11-18-93

Condition:

Cool & Intact

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:

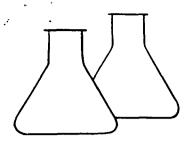
 \leq pH 2 or \geq pH 12.5 is hazardous waste.

3110 Bloomfield Highway

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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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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	0.³2
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	0005	. 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
	<u>.</u>	Bromochloromethane	•	107 %
		Bromofluorobenzene	1	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

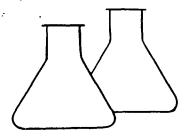
Note:

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:

Review



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:

	•	-
2-fluorophenol	100	ક
2,4,6-tribromophenol	103	જ

Percent Recovery

Method:

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

Parameter

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

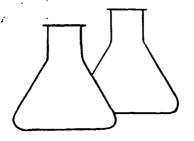
Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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:



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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)
Pyrid;		•	•
ine	ND ND	0.020	5.0
Hexachloroethane	ND	0.020	5.0 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:

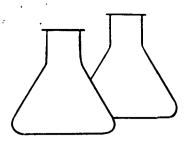
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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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 .

•	Instrument Blank	Extraction Sol. Blank	Det. Limit
Parameter	(mg/L)	(mg/L)	(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

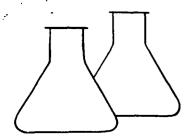
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

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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 Per	cent Recovery
	-	Bromochloromethane	96 ક
		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

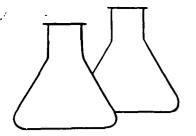
Note:

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:

Review



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: $_{\eta}$	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	
2,4,5-Trichlorophenol	ND	0.020	400.0
Pentachlorophenol	ND	0.020	100.0

SURROGATE RECOVERIES:

Parameter	Percent	Recovery
2-fluorophenol		104 %

90 %

2,4,6-tribromophenol

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.

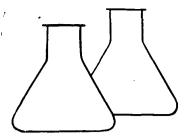
Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

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:



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:

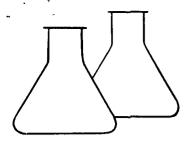
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

TCLP Extraction Method Blank

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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
and the second of the second o	• _	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:

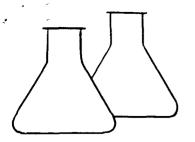
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst Gener

Review House



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

Client: Sample ID: Laboratory Number: Sample Matrix:

Analysis Requested: Condition:

NA Laboratory Spike 6515STCV.

Soi1 TCLP NA

Project #: NA

Date Reported: 11-22-93 Date Sampled: NA

Date Received: NA

Date Analyzed: 11-22-93

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	9.7	5.5	92	28-163
2-Butanone	ND	10.0	13.2	5.8	92	47-132
1,1-Dichloroethene	ИD	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

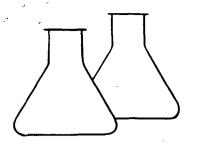
Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

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:



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

Client: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	NA NA NA TCLP Ext TCLP NA	cract	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Date Extracted:	NA NA
_	Spike	_	Spiked Sample)
	Added	Result	Result	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	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 CRITER	IA:	Parameter	Acceptance	Range %
		TCLP Meta	ls 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:

Analyst Golden

Review

CHAIN OF CUSTODY RECORD

Client/Proj	ject Name			Project Location		:			:		1 1						
ALLU	urton LC66	ING # C	12204	3110 BLOOM	nfleid	HILHWAY	;			1	ANA	ANALYSIS/PARAMETERS					
			. !	Chain of Custody Ta	pe No.		· .					[T -			Remarks	······································
R. 8	Signature)	<i>)</i>		. 0		:		of iners	TCLP								
Sa	ample No./ entification	Sample Date	Sample Time	Lab Number		Sample Matrix	•	No. of Containers	7	,							
WASH	BAY SOLDS	11-16-93	1120	6515	5	clus		1	V						No	PEST/He	PS
																	
<u></u>														<u> </u>			
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Relinquishe	ed by: (Signature) \mathcal{E}_{i}) Kel)		Date	Time		od by: (S י	ignature)	ista	- ~#		<u> </u>			Date	Tin 1200
· · · · · · · · · · · · · · · · · · ·	ed by: (Signature)			,					gnature)							1,7,0	
Relinquishe	ed by: (Signature)		,	17.			Receive	ed by: (S	ignature)	, es					1:		

Envirotech Inc.

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location: Halliburrow Ligging Services, 3110 Bloom Field Hickory, Farmington un
Source of Contamination: WASA BAY SOLEDS
Generator: HALL BURRON Logging Services
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: Saurey Muse Company: Environment The 5746 US Hay 64-3014, Farmington, My
Signature: <u>Harvey Johnson</u> Date: 12/13/93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: 风 Non-Exempt: 口	4. Generator
Verbal Approval Received: Yes No Denny Foust 11/03/93	Meridian Oil INC
2. Destination	5. Name of Originating Site
LANSDARM #2 Hilltop, New Wexico	McGrath #4 SND Facility
3. Address of Facility Operator	6. Name of Transporter
5794 115 Hwy 64-3014 Farming ton, Nr. 8740) 7. Location of Material (Street Address or ULSTR)	Sunco Trucking
7. Location of Matérial (Street Address or ULSTR)	8. State
(B) S34, T30N, R12W NMPM	New Mexico
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from	n the Generator; one certificate per job.

- B. All requests for approval to accept non-oilfield exempt westes 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 ensylves 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 westes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF THE MATERIAL:

CONDITIONS OF APPROVAL, IF ANY:

Semi-Solid Residue From Filtration System at injection Well.

NOVI 8 1993.
OIL CON. DIV. A 18 19 20
DIST. 3 B 18, 19

Estimated Volume 880 cy Ki	nown Volume (to be entered by the operator at the	end of the hauli: 880 cy
SIGNATURE Token Mountain shows is true and complete to the	_	rvisor DATE 11/03/93
TYPE OR PRINT NAME ROBERT M. YOUNG		TELEPHONE NO. 505-632-0615
APPROVED BY Demys. Tolin		DATE 11/18/73
APPROVED BY June British	TITLE GOOD	DATE <u>///23/9</u> 5

Envirotech Exempt Waste Manifest Meridian Oil Inc. PO Box 4289, Farmington, NM 87499

MOI Safetv and Environmental	1.	Waste Location: Lease/Well No. McGrafh #4 5wD,
2	2.	Volume: Sarreis Garicos
-	3.	in a Soil Matrix (NO Free liquids)
	4.	Method of Waste Generation: Solids Separation from incoming fluids to be disposed of in an injection a
	5.	Disposal Cost:
	ô.	This waste material compiles with the definition of exempt waste as listed in 40 CFR 261.4 Approval for Disposal Date 11/3/23
MOI On Site		Transportation Company: Sunco Trucking (\$80 66/5)
Representative		Date(s) Transported: 11/4 And 11/5/93 MOI Representative on Site Dill June Date 11/5/93
Envirotech		Date(s) Received: 445 Nov 1993
return to Mendian Safety and Environmental	٠	Total Volume Received: 880 Barrels Waste Location: Cell/Grid No. 14. A. 2 Lyf. #2 Received By: House Status
with invoice.		(signature)

Originating Location: McGRATH FACTUTY

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

Source of Contamination: INsection Well Giteation Semi-Solids

Generator	e: Meridian	OILINC		
Disposal	Location:	Envirotech Soil Hillt Landfarm #1	op, New Mexico	\ /
from with men	m the above h and is	porters, certify location has no the same mater erator, and that	t been added to ial received	o or mixed from the above
		Name: <u>Ken</u> Company:_	chapmar Sunco Tr	ucxing
		Signature Date:	: Ken Chap n 4 Novemb	<u>van</u> er 1993

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: Mc GRATH FACTORY

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
·	
from the above with and is	porters, certify the material hauled location has not been added to or mixed the same material received from the above rator, and that no additional materials have
	Name: Ernest Valolez. Company: Funco Trucking
•	Signature: X Concat Ochlag Date:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: © Non-Exempt: □	4. Generator
Verbal Approval Received: Yes No D	Meridian Oil Incx
2. Destination	5. Name of Originating Site
Existratech hand farm # 2	Valverde flaut
3. Address of Facility Operator	6. Name of Transporter
Hilltop New Mexico	Envirotech
7. Location of Material (Street Address or ULSTR)	8. State
Valuerde Plant - M.O.I.	Hew Mexico
9. Check One	
A. All requests for approval to accept oilfield exempt westes will be accompanied by a certification of waste from th	e Generator; one certificate per job.
B. All requests for approval to accept non-oilfield exempt wester will be accompanied by a certification of waste state. Mexico Environment Department or other appropriate government agency; two certificates per job.	us from the Generator and the New
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to pr	rove 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 Litter Medium	
- Continuation of Previously Approved Material	
- Continuation of Previously Approved Material	
	DEGETE E
	WW RICKS RICKS
	NOV1 8 1993
	OIL CON. DIV
	DIST. 3
	d
Satismated Values of the her extend by the second by the s	at the end of the hards
Estimated Volume (to be entered by the operator of hereby certify that the information above is true and complete to the best of my knowledge and belief.	at the end of the neult;
SIGNATURE STARLEY SALLSEN TITLE David	Fayer Man DATE 11/15/9
TYPE OR PRINT NAME Harvey R Johnson	
(This space for State Use)	
APPROVED BY Demy 9, Jount TITLE Geo!	DATE 11/18/93
	7

CONDITIONS OF APPROVAL, IF ANY:

L... / irotech Exempt Waste Manifest Meridian Oil Inc. Po Box 4289, Farmington, NM 87499

Safety and Environmental	1. Waste Location: Lease/Well No. Val verde Cas Plant
	2. Volume: 8 Cubic Yards Barrels Gallons 3. Description of Waste: Activated Carbon, Charcol Ciller Media for DEA.
	4. Method of Waste Generation: DEA Filtration system (Spen
	 5. Disposal Cost: 4/6/4/ 6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.
	Approval for Disposal (signature) Date 12/12/
MOI Representive	Transportation Company: Excise tech Date(s) Transported: 1-15-93 MOI Representative on Site Best Machine Date 11-15-93 (algorithme)
Envirotech Complete and return to Meridian Safety and Environmental with invoice.	Date(s) Received:

Check One

Kincon #166

- C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove the material is nonand the Generator's certification of origin. No waste classified as hazardous by listing or teating will be approved.

BRIEF DESCRIPTION OF THE MATERIAL:

Recirculated Packer Sluid from down-hole in Rincon # 166. Temporarily Stored on site twaiting UD Approval to transport. TCLP Showed Sluid to be non-hazardous (vovlentarily analyzed by Client)

NOV1 9 1993 OIL CON. DIV.

WM

Estimated Volumecy Known	Volume (to be enter	ed by the operator at the end of the haull:	\Dist. 3 ~
SIGNATURE Admits the proportion shows is true and complete to the best of	of my knowledge and	d belief. ENDLARM SULERVISO,	C DATE 11/03/93
TYPE OR PRINT NAME ROBBET M. YOUR		TELEPHONE NO	0. 508-632-0615
(This space for State Use)		,	
APPROVED BY Demy 2. Fout	TITLE	Geologist	DATE
APPROVED BY Luis Bush	TITLE	Great	DATE <u>11/19/9</u> 3

Unocal Oil & Gas Divis. 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,

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: Whocar Runcov #/66
Source: Invest Muo Paciese Furth
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 Dubb of Color for the concur with the status of the waste from the subject site.
Name -110 Beneso
Title/Agency Drilling Superintendent
Address 7.0.734 7620

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: RINCON UNIT # 166

Source:	_ FNVe	nt Mux	₫
			h Soil Remediation Facility, (ESRF) Hilltop, New Mexico
		÷	
th de 19 nc pu D, th	at this was fined by the 88 Regulator non-exempt rsuant to the has been accepted the covisions of	ste is an of e Environme cy Determina waste tha ne provision ded or mixe mixture a 40 CFR, se	tance for disposal, I hereby certify oilfield production exempt waste as ental Protection Agency's (EPA) July ation. Additionally, to my knowledge, t is a "hazardous or listed waste" as of 40 CFR, Part 261, Subparts C and ed with the exempt waste so as to make "hazardous waste" pursuant to the ection 261.3(b)."
			waste from the subject site.
			Name W.E. Meximory Title/Agency Dr.G. CONSULTANT
			Address 3382 E ANTLEY URY JACT NAKE CITY, UT, 84/21
			Signature (1). C. Mc Xinney
			Date $10 - 23 - 93$



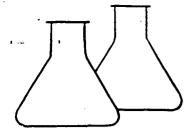
Underground Tank Testing • Site Assessment • Site Remediation

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location		Rincon# 166	
Source of Contaminat	ion: <u>Packer</u>	- Fluids -	
Generator: Muc	ial		
Disposal Location:		op, New Mexico	1.7
·		· - · · ·	
- · · · · ~		· · · · · · · · · · · · · · · · · · ·	- -
-			
from the above with and is t	location has not the same mater:	the material haule t been added to or ial received from no additional mat	mixed the abov
· · · · · · · · · · · · · · · · · · ·			
	Name: Mul	and Bigelan Chief Tran	sport
	Signature:		· .
	Date: <u>5 /</u>	NOV 1991	



RCRA CHARACTERISTICS

Client:

UNOCAL

Project #: 92199

Sample ID:
Lab ID#:

ChemPak #1 6253

Date Reported: 10-05-93 Date Sampled: 10-02-93

Sample Matrix:

Liquid Cool Date Received: 10-02-93
Date Analyzed: 10-05-93

Preservative: 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.

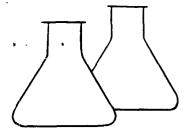
Comments:

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

Rincon Unit #166

Analyst

Reviewed



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	Ø.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:

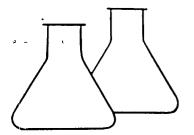
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166

Alexa L. Cécuser

Review Dyone



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 Pentachlorophenol	ND	0.020	400.0
	ND	0.022	100.0

Parameter

SURROGATE RECOVERIES:

			-
2 61	101	0.	
2-fluorophenol	101	8	
.4.6-tribromophenol	98	%	

Percent Recovery

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.

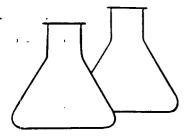
Comments:

Rincon Unit #166

Sample received in uncleaned, re-used plastic bottles

Analyst Analyst

Review Journa



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 RECOVER	Y: 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.

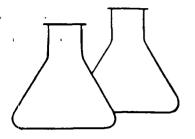
Comments:

Rincon Unit #166

Sample received in uncleaned re-used plastic bottles

Analyst (force)

Review Grung



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.

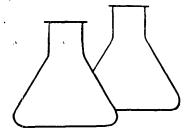
Analyst Gener

Review D. Moung

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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

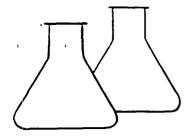
Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
View Chlomida	ND	0.005	
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.015 <i>-</i>	200
1,1-Dichloroethene	ND	0.009	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.006	0.5
1,2-Dichloroethane	ND	0.005	0.5
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

CUDDOCAME	RECOVERIES:
SURRUGATE	KECOARKTED:

Parameter Percent Recovery

Bromfluorobenzene

107 %



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

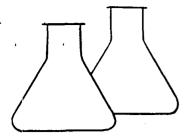
Note:

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:

Review



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

SHEROGATE	RECOVERIES:
DOVVOORID	VECCARVIDE:

2-fluorophenol	99 %
2,4,6-tribromophenol	96 %

Percent Recovery

Method:

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

Parameter

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:

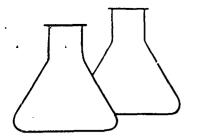
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Aluce L. Gener

Review Young



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

•	Concentration	Det. Limit	Regulatory Limit
Parameter	(mg/L)	(mg/L)	(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-fluorobiphenvl	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:

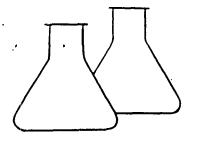
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst Gener

Review James



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

•	Instrument	Extraction Sol.	Det.
**	Blank	Blank	Limit
Parameter	(mg/L)	(mg/L)	(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	ИD	ND	0.01

Method:

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

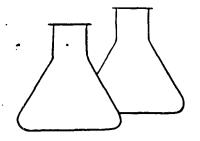
Methods 7060, 7080, 7131, 7191, 7470, 7421, 7740, 7760 Analysis of Metals by GFAA and FLAA, SW-846, USEPA

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

ND - Parameter not detected at the stated detection limit.

Comments:

Genev



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

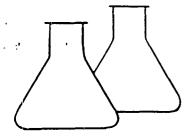
Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.007	0.2
2-Butanone	ND	0.006	200
1,1-Dichloroethene	ND	- 0.007	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND .	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1 4-Dichlorobenzene	ИD	0 005	75

SURROGATE RECOVERIES:

Parameter Percent Recovery

Bromofluorobenzene

103 %



E. VIROTECH L. 3S

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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:

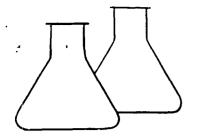
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review



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

Parameter

SURROGATE RECOVERIES:

2-fluorophenol	106 %

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.

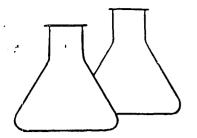
Note:

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:

Review



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:

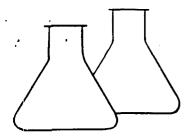
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

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
•		Det. Reg	ulatory
•	Concentration	Limit	Level

Parameter	Concentration (mg/L)	Limit (mg/L)	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:

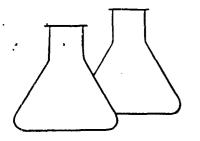
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Proceedure Method Blank

Malyst J. (fluler)

Review, Our



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:	Paramet	ter <i>l</i>	Acceptance	Range	કૃ
						·	
			TCLP Me	etals	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:

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Review

CONMIT JIM BENSUN - CASPER, WY (307) 234-1563 3072 EXT: 116

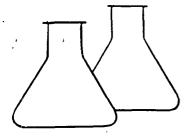
CHAIN OF CUSTODY RECORD

Client/Project Name			· · · · · · · · · · · · · · · · · · ·										
1			Project Location	#				ANALYSIS	S/PARAM	ETERS			
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Sampler: (Signature)	4		Chain of Custody Tape	No.		20					<u>-</u>	Remarks	
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Envirotech Inc.

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

san juan rapro Form 578-81



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:

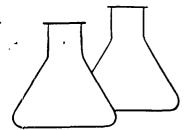
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Parriar



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

Damamatan	Concentration	Det Limit	Regulatory Limits
Parameter	(mg/L)	(mg/L)	(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	Ø . 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:

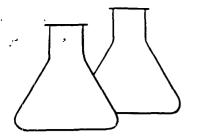
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Rincon Unit #166

Analyst Legenson

Review Dyong



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	иD	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

SURR	OG A	ጥር	RECC	VER	TES.
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r ar ame ter	rereent Recove	- Y
2-fluorophenol	101 %	
2.4.6-tribromophenol	98 %	

Percent Recovery

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

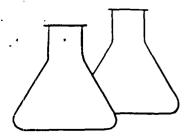
ND - Parameter not detected at the stated detection limit.

Comments:

Rincon Unit #166

Sample received in uncleaned, re-used plastic bottles

Analyst G. Chilles



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	Det. Limit	Regulatory Limit
raiametei	(mg/L)	(mg/L)	(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-fluorobiphenvl	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.

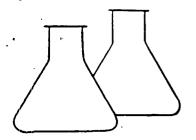
Comments:

Rincon Unit #166

Sample received in uncleaned re-used plastic bottles

Analyst House

Review (



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.

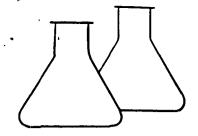
Comments:

Rincon Unit #166

Sample received in re-used, uncleaned bottles.

Some L. Gemen Analyst

Maria D. Maria Review



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

RCRA CHARACTERISTICS

Client:

UNOCAL

92199

Sample ID:

ChemPak #1

10-05-93

10-05-93

Lab ID#: Sample Matrix:

6253 LiquidDate Sampled: 10-02-93 Date Received: 10-02-93

Preservative: Condition:

Cool

Cool & Intact

IGNITABILITY:

Did not ignite upon direct contact with flame.

Project #:

Date Reported:

Date Analyzed:

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:

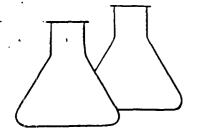
 \leq pH 2 or \geq pH 12.5 is hazardous waste.

Rincon Unit #166

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

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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:	1013TCV.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	10-13-93
Condition:	NA	Analysis Requested:	TCLP

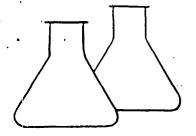
Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.005	0.2
2-Butanone	ND	0.015	200
1,1-Dichloroethene	· ND	0.009	0.7
Chloroform .	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.006	0.5
1,2-Dichloroethane	ND .	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1.4-Dichlorobenzene	ND	0.005	7.5

SURROGATE R	ECOVERIES:
-------------	-------------------

Parameter Percent Recovery

Bromfluorobenzene

107 %



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)	
o-Cresol p.m-Cresol 2,4,6-Trichlorophenol 2,4,5-Trichlorophenol Pentachlorophenol	ND ND ND ND	0.020 0.040 0.020 0.020 0.022	200.0 200.0 2.0 400.0 100.0
SURROGATE RECOVERIES:	Parameter		Percent Recovery
_	2-fluorophenol 2,4,6-tribromoph	nenol	99 % 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:

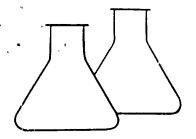
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Aluce A. Seure

Review Young



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-fluorobiphenvl	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:

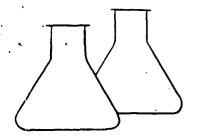
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst Gauce

Review Jama



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

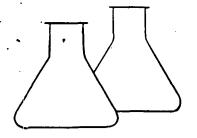
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, July 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

Sum L. Gener

Review 1



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

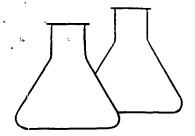
Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-06-93
Laboratory Number:	1004TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-05-93
		Analysis Requested:	TCLP

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:

Percent Recovery

Bromofluorobenzene 103 %



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

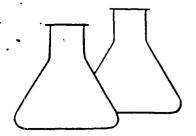
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review



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

SHEROGATE	RECOVERIES:
DOWNOGHID	VACCANIVADO:

	_
2-fluorophenol	106 %
2.4.6-tribromophenol	108 %

Percent Recovery

Method:

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

Parameter

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:

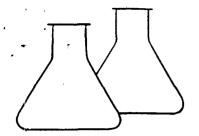
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Alexand A. Aflueur
Analyst

Review Grang



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	ир	0.020	5.0
Nitrobenzene	ND	0.020	5.0
Hexachlorobutadiene	ND	0.020	0.5
2,4-Dinitrotoluene	ИD	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:

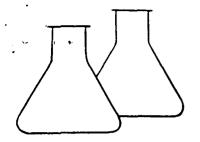
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

eview



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:

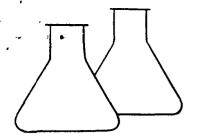
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Proceedure Method Blank

Analyst A. (Aluler

Review Burg



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: Sample ID: Laboratory Number: Sample Matrix: Analysis Requested: Condition:	NA NA NA TCLP Ext TCLP NA	ract	Date Date Date Date	ect #: Reported: Sampled: Received: Analyzed: Extracted:	NA 10-12-93 NA NA 10-12-93 NA
•	Spike	Sample	-	piked Sample	
	Added	Result		Result	Percent
Parameter	(ma/T.)	(mar/T.)		(m cr / T.)	Pagovary

•	Spike	Sample	Spiked Sample	
	Added	Result	Result	Percent
Parameter	(mg/L)	(mg/L)	(mg/L)	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:

Analyst

Review Hours

JIM BENSUN - CASPER, WY (307) 234-1563 EXT: 116

3072

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			•								
UNOCAL		<i>)</i>	RINCON U	VIT # 166				ANAI	-YSIS/PA	RAMET	ERS			
Sampler: (Signature)	1		Chain of Custody Tape	e No.		2							Remarks	
(C) C//k,	XINI	ny	92	199	No. of Containers	who takes								
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No	761P ,						. 		· · · · · · · · · · · · · · · · · · ·
CHEMPAK #1	10/2/93	11:20	62 53	LIQUID	3	+						No F	resolutiv Cooling	76
						<u> </u>						·		
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Relinquished by: (Signature)	MX	'sur	ey /	6-2-93 4;50	aceived by: (S	(() _*.E	Sle	991		1		Date 143	Tim C(:52)pre
Relinquished by: (Signature)		,		Re	ecolved by: (S	signature)	-1-							9
Relinquished by: (Signature)	-			CA	eceived by: (S	ignature)					,	ı		2190
	· · · · · · · · · · · · · · · · · · ·									· ·		·		

Envirotech Inc.

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

san Juan repro Form 578-6

	92197
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
1. RCRA Exempt: 口	4. Generator
Verbal Approval Received: Yes 🛱 No 🗆	Meridian Oil INC
2. Destination	5. Name of Originating Site
Landsam #2 Cell A-ZZ HILLTOP, NM	Val Verile Plant
3. Address of Facility Operator	6. Name of Transporter
5796 US Huy 64-3014 Farmington um 87401	ENVINORECH
7. Location of Material (Street Address or ULSTR)	8. State
101A Rd 4937 Bloomfield, NM 87413	V
). Check One	
Mexico Environment Department or other appròpriate government agency; two certificates per job. C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to p and the Generator's certification of origin. No weste classified as hazardous by listing or testing will be approved.	rove the material is non-hazardous
All transporters must certify the westes delivered are only those consigned for transport.	
RIEF DESCRIPTION OF THE MATERIAL:	
Contaminated Silter Media so- disposal at	
Previous Authorizations Delivery Expected to be	as follows
11/01/93 25 Cubic YARPS	· · -
10/02/93 10 cubic gards.	1 1al com Receipt at
Material is to be placed and Thin-spread imm	ediately of the terry
7 121 1 2 1 2 2	
Land Saran # 2.	MISE BURM
	MEGERAEU
	NOV 3 1993
	MON 3 1883
	NOV 3 1993 OIL CON. DIV.
Land Sarm #2.	NOV 3 1993 OIL CON. DIV.
Stimated Volume Cy Known Volume (to be entered by the operator thereby certify that the information above is true and complete to the best of my knowledge and belief.	NOV 3 1993 OIL CON. DIV. DIST. 9 at the end of the hault: 35
Stimated Volume Cy Known Volume (to be entered by the operator mereby certify that the information above is true and complete to the best of my knowledge and belief.	NOV 3 1993 OIL CON. DIV. DIST. 9 at the end of the hault: 35
Land Sarm # 2. Stimated Volume Cy Known Volume (to be entered by the operator tereby certify that the information above is true and complete to the best of my knowledge and belief. IGNATURE Alandham Sy	NOV 3 1993 OIL CON. DIV. DIST. 9 at the end of the hault: DATE 11/02/4
stimated Volume SS cy Known Volume (to be entered by the operator hereby certify that the information above is true and complete to the best of my knowledge and belief.	NOV 3 1993 OIL CON. DIV. DIST. 9 at the end of the hault: 35
stimated Volume Solution Stimated Volume Cy Known Volume (to be entered by the operator hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE SIGNATURE TITLE Land Samm Sy	NOV 3 1993 OIL CON. DIV. DIST. 9 at the end of the hault: DATE 11/02/4
Land Sarm # 2. Stimated Volume	NOV 3 1993 OIL CON. DIV. DIST. 9 at the end of the hault: DATE 11/02/4
Land Sam # 2. Stimated Volume	NOV 3 1993 OIL CON. DIV. DIST. 9 at the end of the hault: DATE 11/02/4

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

CERTIFICATE OF WASTE TRANSPORT

Originating Location	1: 101 A Rd 4937 Bloomfield, NA 87413
Source of Contaminat	ion: Contaminated Filter Media - DCD EXEMPT
Generator: Meridian	Di INC-Vai Vente Plant
Disposal Location:	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2
from the above with and is	porters, certify the material hauled location has not been added to or mixed the same material received from the above rator, and that no additional materials have
·	Name: RAY Womack Company: ENVIROTECH INC 5796 US Hwy 69-3019 Farmington, N. 4 8740) Signature Mail Vannak

Envirotech Exempt Waste Manifest Meridian Oil Inc. PO Box 4289, Farmington, NM 87499

MOI Safety and Environmental	1. Waste Location: Lease/Well No. Val Varde Plant
	2. Volume: 25 cubic Yards Barrels Gallons 3. Description of Waste: Chancol filter media
:	4. Method of Waste Generation: gas processing filter
•	5. Disposal Cost: 16/gd.
	6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4. Approval for Disposal Date 10-26-93
MOI On Site Representative	Transportation Company: = INDIPO + ECC. Date(s) Transported: 11-1-93 MOI Representative on Site Set Haufeuling Date 11-1-93 (signature)
Envirotech Complete and return to Meridian Safety and Environmental with invoice.	Date(s) Received:

L..virotech Exempt Wası Meridian Oil Inc. PO Box 4289, Farmington, NM 87499

Manifest 92197

MOI Safety and Environmental	1. Waste Location: Lease/Well No. Val Verdo Gas Plant
	2. Volume:
	3. Description of Waste: Charcoal (activated) for DEA
•	4. Method of Waste Generation: DEA Filter medium for
er e	5. Disposal Cost: 6/6/43
-	6. This waste material complies with the definition of exempt waste as listed 40 CFR 261.4. Approval for Disposal
MOI On Site Representative	Transportation Company: <u>ENDIRETECH</u> Date(s) Transported: <u>//-z-93</u> MOI Representative on Site <u>But Haufaulia</u> Date <u>//-z-9</u>
Envirotech Complete and return to Mendian Safety and Environmental with invoice.	Date(s) Received: 3 Nov 93 Total Volume Received: 10 yds. Waste Location: Cell/Grid No. 4-22 Received By: Same Surse (signature)

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 1. RCRA Exempt: Non-Exempt: 日 4. Generator Verbal Approval Received: Yes 内 No日	XXXXXXXX
Verbal Approval Received: Yes R No D Meridian Oic = 2. Destination 5. Name of Originating 5.	
2. Destination 5. Name of Originating 9	
ENVIROTORH INC LANDFARM #2 Val Verde Plant	_
3. Address of Facility Operator 6. Name of Transporter	
5796 U.S. Highwas 64-3014 ENVIROTECH IN	رد
7. Location of Material (Street Address or ULSTR) 8. State	
BLOOMField, NM New Mex	100
9. Check One	
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:	
Continuation Continuation	
DEEE OVE	
CON ILESS	
COLCOR DIV	
COLCOR DIV	
COL COL DIV	22
Formated Volume Company 22 5 ~	
Estimated Volume Cy Known Volume (to be entered by the operator at the end of the hault: Thereby certify that the information above is true and complete to the best of my knowledge and belief.	22 5 10/26/93
Stimated Volume 25 cy Known Volume (to be entered by the operator at the end of the haul):	22 5 10/26/93 10/26/93
Estimated Volume CV Known Volume (to be entered by the operator at the end of the hault: Thereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE SIGNATURE SIGNATURE SIGNATURE A Landfarm Supervisor DATE	22- 5
Estimated Volume CY Known Volume (to be entered by the operator at the end of the hault: Thereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE SIGNATURE SIGNATURE SIGNATURE SIGNATURE A SIGNATURE DATE	5 10/26/93 10/26/93
Estimated Volume 25 CV Known Volume (to be entered by the operator at the end of the haul): 2 Thereby certify that the mormation above is true and complete to the best of my knowledge and belief. SIGNATURE SIGNATURE SIGNATURE TITLE Landfarm Supervisor DATE TYPE OR PRINT NAME LORGER M. Young TELEPHONE NO. 632	5 10/26/93 10/26/93

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: 34725 Cubic Yards
	3. Description of Waste: Chancus (fiter media
•	4. Method of Waste Generation: CS Plus = nd TEG
	5. Disposal Cost: #16 /yd plus transport
e e	6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4.
	Approval for Disposal Date
MOI	Transportation Company: FNUIRD FECK
On Site Representative	Date(s) Transported: 10-26-93
	MOI Representative on Site Bert Sachulus Date 10-26-9;
Enviratech Complete and	Date(s) Received: 10/56/93
return to Meridian	Total Volume Received: 25 yds
Safety and Environmental	Waste Location: Cell/Grid No. 4-52
with invoice.	Received By: (signature)

Roger Ander	93172-19
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE TO ACCEPT	_
1. RCRA Exempt: Non-Exempt: RECE. VED	4. Generator
Yerbal Approval Received: Yes □ No □	
2. Destination	5. Name of Originating Site
Fire Property Williams	GNACIO 33-7 #15
3. Address of Facility Operator	6. Name of Transporter
5701 173 11 . 1 1 2011 To	ENVIROTELY INC.
5796 US Hwy 64-3014, FARMINATED, NM 7. Location of Material (Street Address or ULSTR)	8. State
NESE SEC 32, T33N, R7W, NMPM	Coweros
9. Check One	
A. All requests for approval to accept diffield 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 westes will be accompanied by a certification of weste status. Mexico Environment Department or other appropriate government agency; two certificates per job.	from the Generator and the New
K.C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to pro	ove the material is non-hazardous
and the Generator's certification of origin. No weste 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: HYDROCARSON CONTAMINATE	b soil from
EARTHON COMPRESSOR/SEPARATOR PIT.	
Estimated Volume	upt DATE 10-7-93
TYPE OR PRINT NAME Verl Farnsworth	505-632-0615 TELEPHONE NO
APPROVED BY Demy g. Fam TITLE Geolog	15T DATE 10/14/93

CONDITIONS OF APPROVAL, IF ANY:

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator
Verbal Approval Received: Yes □ No □	
	MOBIL OIL
2. Destination	5. Name of Originating Site
ENVIROTEH SOIL REMEDIATION FALILITY, HUTOR NH	GNACIO 33-7 #15
3. Address of Facility Operator	6. Name of Transporter
5796 US Huy 64-3014, FARMINATON, NIM	ENVIROTER INC.
7. Location of Material (Street Address or ULSTR)	8. State
NE/SE SEC 32, T33N, R7W, NMPM	CoweAos
. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from t	he Generator: one certificate per job.
D B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste star	
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 perform the second of the second	prove the meterial 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.	·,
RIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMINAT	80 SOIL FROM
ENTITIES COMPRESSOR/SEPARATOR PIT.	, , , ,
	PECENE
	OCT 1 4 1993
	OIL CON 15.1
	DIST
	and the second of the health
ereby certify that the information above is true and complete to the best of my knowledge and belief.	at the end of the hads.
GNATURE Well famourous TITLE Coust &	Supt DATE 10-7-
	505-632 - 0615
YPE OR PRINT NAME Verl Farnsworth	TELEPHONE NO
his space for State Use)	
	•
PPROVED BY Demy J. Kent TITLE Geolog	9/5/ DATE 10/14/9
PPROVED BY	DATE 10/14/93

CONDITIONS OF APPROVAL, IF ANY:

Senta Fe 16/14/93

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

NON-EARMEL WASTE MATERIAL
Originating Location: Moisic On Janaco 33-7#15, La Rama County, C Source: Congression / Deny Easth 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 Moise E&P U.S. /Nc.
concur with the status of the waste from the subject site.
Name Pete W. Richardson
Title/Agency Environmental & Regulation Engine Environmental & Regulation Address 12450 Greens Point Houston, TX 77 060 Signature Peter W. Richarding



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY P.O. BOX 315 IGNACIO, COLORADO 81137

SEP 1 4 1993

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

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.

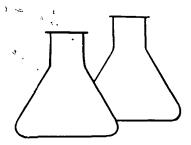
All test data should be forwarded to the Southern Ute Environmental Office for their review. Your procedures for testing and handling of materials should comply with those currently outlined by BLM, New Mexico, regulations. You will also need to comply with any stipulations imposed by the Southern Ute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

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

Sincerely Educa Candelaria

Superintendent

و این جستے



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

	Concentration	Det Limit	Regulatory Limits
Parameter	(mg/L)	(mg/L)	(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:

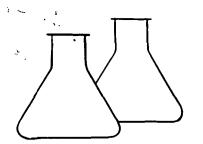
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Ignacio 33-7 #15 Dehydrator Pit

Analyst Lejemen

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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:	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
Pentachloropheno1	ND	0.022	100.0

SURROGATE RECOVERIES:

			_
2-fluorophenol	10	0 %	
4.6-tribromonhenol	10	વ ક	

Percent Recovery

Method:

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

Parameter

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.

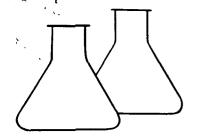
Note:

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



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:	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:

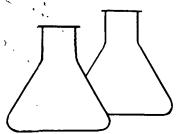
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Ignacio 33-7 #15 Dehydrator Pit

Composite 3' - 4'

Review Grune



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:	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
-		Det. Reg	ulatory

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:

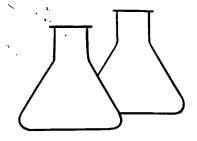
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Ignacio 33-7 #15 Dehydrator Pit

Aleen A. Cifuller Analyst

Review Journa



RCRA CHARACTERISTICS

Client:

Mobil Oil

93172-19

Sample ID:

3'-4'Comp.

Project #: 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:

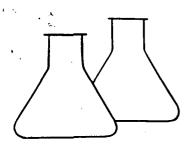
≤ pH 2 or ≥ pH 12.5 is hazardous waste.

Ignacio 33-7 #15, Dehydrator Pit.

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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: N/A Sample ID: Laboratory Blank Laboratory Number:

Sample Matrix: Preservative: Condition:

Project #: Date Sampled: tpsb0923 Date Received: 👾 N/A Soil Date Analyzed: 09-23-93 N/A Date Reported: N/A Analysis Needed: TPH

Det. Concentration Limit Parameter (mg/kg) (mg/kg) Total Petroleum

Hydrocarbons

5.0 ND

N/A

N/A

09-23-93

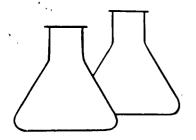
ND = Parameter not detected at the stated detection limit. N/A = Not applicable

Method:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978

Comments:



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

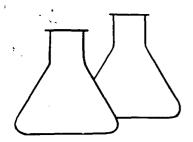
Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.008	0.2
2-Butanone	ND	0.009	200
1,1-Dichloroethene	ND	0.010	0.7
Chloroform	ND	0.005	6.0
Carbon Tetrachloride	ND	0.005	0.5
Benzene	ND	0.005	0.5
1,2-Dichloroethane	ND	0.005	0.5
Trichloroethene	ND	0.005	0.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1,4-Dichlorobenzene	ND	0.005	7.5

SURROGATE RECOVER	RIES.	•
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Parameter

Percent Recovery

Bromfluorobenzene 108 %



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

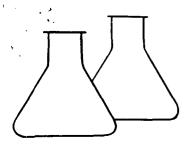
Note:

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:

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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	ИД	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:

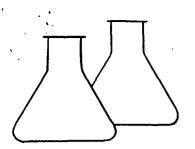
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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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

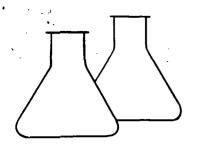
Note:

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:

Review James



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)
	(mg/H)		(mg/ b)
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:

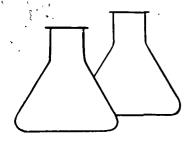
Methods 3010, 3020, Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, July 1992.

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:



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

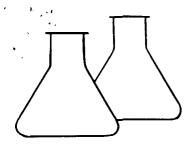
Client:	NA	Project #:	NA
Sample ID:	Method Blank	Date Reported:	10-06-93
Laboratory Number:	1004TCV.MB	Date Sampled:	NA
Sample Matrix:	Soil	Date Received:	NA
Preservative:	Cool	Date Extracted:	10-04-93
Condition:	Cool & Intact	Date Analyzed:	10-05-93
		Analysis Requested:	TCLP

	Concentration	Det. Limit	Regulatory Limits
Parameter	(mg/L)	(mg/L)	$({ t mg/L})$
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	n n D	0.005	0.5
Benzene	· ND	0.005	0.5
1,2-Dichloroethene	ND	0.005	`Ø.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:

Percent Recovery

Bromofluorobenzene 103 %



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:

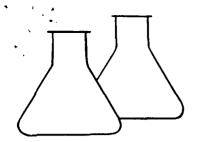
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review



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

2-fluorophenol	106 %
2,4,6-tribromophenol	108 %

Percent Recovery

Method:

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

Parameter

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:

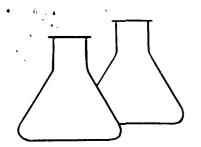
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Sleven J. Gener

Review ()



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

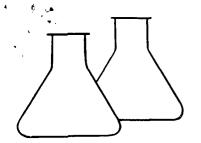
Note:

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:

Review Jours



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

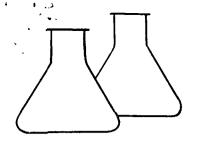
SW-846, USEPA, July 1992.

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.

TCLP Extraction Proceedure Method Blank



25 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QA/QC - DUPLICATE ANALYSIS

Client:

Sample ID:

Laboratory Number:

Sample Matrix: Preservative:

Condition:

N/A

QA/QC Duplicate

0923DUP

Soil Cool

Cool & Intact

Project #:

- N/A Date Sampled: Date Received: N/A

Date Analyzed: Date Reported:

09-23-93 09-23-93

 $\sim N/A$

Analysis Needed: TPH

Concentration, mg/kg

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:

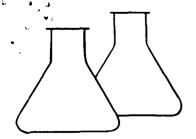
Method 418.1, Petroleum Hydrocarbons, Total

Recoverable, Chemical Analysis of Water and

Waste, USEPA Storet No.4551, 1978

Comments:

Chaherlang



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: 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

Spiked SW-846 Sample Spike Sample Det. % Rec. Result Added Result Limit Accept. Percent Parameter (ug/L) (ug/L) (ug/L) (ug/L) Recovery Range Vinyl Chloride ND 10.0 7.7 11.7 106 28-163 2-Butanone ND 10.0 92 16.2 8.6 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 5.1 105 39-150 Benzene ND 10.0 11.6 1,2-Dichloroethane ND 10.0 9.4 5.0 51-147 94 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

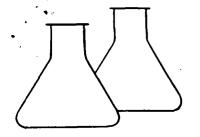
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst There's

Review Journal



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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		Proj	ect #:	NA
Sample ID:	NA		Date	Reported:	10-12-93
Laboratory Number:	NA			Sampled:	NA
Sample Matrix:	TCLP Extr	act	Date	Received:	NA T
Analysis Requested:	TCLP		Date	Analyzed:	10-12-93
Condition:	NA		Date	Extracted:	NA
	Spike	Sample	S	piked Sample	
•	Added	Result		Result	Percent
Parameter	(mg/L)	(mg/L)		(mg/L)	Recovery
ARSENIC	0.100	ND		0.099	99
BARIUM	10.0	0.2		10.2	100
CADMIUM	0.100	0.006	5	0.106	100

0.001

0.005

0.002

ND

ND

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

0.200

0.200

0.025

0.100

1.00

Method:

CHROMIUM

MERCURY

SILVER

SELENIUM

LEAD

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

0.202

0.204

0.026

0.097

0.974

101

99

96

97

97

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

Analyst

Review.

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location	1		DEAT. P	it								* 931	7Z-19
mobil ou +	+ 93172	_	16NAC10	33-	-7 '	#15		ANALYSIS/PARAMETERS				·				
Sampler: (Signature)			Chain of Custody			-		of ners			4				Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Numb	er		Sample Matrix		No. of Containers	418.1	Bret	TCLP			<u> </u>	-	<u>-</u>
T1 @ 5'	9-22-93	1222	6169		Se	olL_			V	V					Ruslt	
3'-4' comp.	9-22-93	1225	6170		5	soll					V			run a	Het D	TT
							_	!								
Relinquished by: (Signature) \mathcal{R} . \mathcal{E}_{ι}		$\overline{\rho}_{\underline{}}$			Date -22-43	1558	Received	d by: (S	Signature)	har	Buy				Date 9-22-93	Time 7558
Relinquished by: (Signature)							Received	d by: (S	Signature)		<i>,</i>					
Relinquished by: (Signature)	,					1	Receiver	d by: (S	Signature)	,						

Envirotech Inc.

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





UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 93172-19

PHONE: (505) 632-0615

CERTIFICATE OF WASTE TRANSPORT

Originating Location	1: IGNACTO 33-	7 #15 NE/B	E, 532,T	33H, R7W, NMAY
Source of Contaminat	ion: DEHY /Co	ypatesor	Pr	
Generator: Mobic	Ou			-
Disposal Location:	Envirotech Soi Hill Landfarm #1	top, New M	exico	#2
				1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
from the above with and is	porters, certiff location has rethe same mate rator, and the	ot been ad rial rece	ded to or ived from	mixed the above
	-			
	•	MICHOSE		· · · · · · · · · · · · · · · · · · ·
		ENVIROT	Cell INC.	
	Signatur	e: <i>Mill</i>		60
	Date:	0/20/93		

Rosev An	5011
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	IXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
.1. RCRA Exempt: Non-Exempt: DE DIL CONSERVATION DIVISI	(M. Generator
Verbal Approval Received: Yes □ No Œ€€€1¥ED	MoBIL OIL
2. Destination 93 00 18 AM 9 30	
ENUROPEH SOIL REMEDIATION FACILITY, HILTOP, NM	So. UTE 24-10
3. Address of Facility Operator	6. Name of Transporter
5796 US Hwy 64-3014, Farming, NM 7. Location of Material (Street Address or ULSTR)	EDUIROTEH LOC.
7. Location of Material (Street Address or ULSTR)	8. State
SE/SW SEE. 10, T32N R7W NMAM	Cocoepos
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the C	ienerator: one certificate per job.
B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status	<u>-</u>
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 provant the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	e the material is non-hezardous
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARDON CONTAMINA	kto soils from
EARCHEN COMPRESSOR/SEP. PIT.	

OCTI 4 1000

OCT 1 4 1983 LE OIL CON. DIV DIST. 3

Estimated Volume			red by the operator at the end of the haul):	D-12 40 ~~
SIGNATURE LUCL	on above is true and complete to the	TITLE	/ /	DATE <u>9-29-9</u> 3
TYPE OR PRINT NAME	Verl Farnsworth		TELEPHONE NO	505-632-0615
(This space for State Use) APPROVED BY	my D. From	TITLE	Geologist	DATE 10/4/93
APPROVED BY KOL	in From	TITLE _	Geologict	

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	Ixxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt: 🔀	4. Generator
Verbal Approval Received: Yes □ No □	MOBIL OIL
2. Destination	5. Name of Originating Site
ENUROTEH SOIL REMEDIATION FACILITY HILTOR, NM	So. UTE 24-10
3. Address of Facility Operator	6. Name of Transporter
5796 US Hwy 64-3014, Farming NM 7. Location of Material (Street Address or ULSTR)	EDUIROITEH DE
7. Location of Material (Street Address or ULSTA)	8. State
SE/SW SER. 10, T32N, R7W, NMAM	Corocas
9. Check One	
☐ A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the☐ B. All requests for approval to accept non-oilfield exempt wastes will be accompanied by a certification of waste status	_ •
Mexico Environment Department or other appropriate government agency; two certificates per job.	:
C. All requests for approval to accept non-exampt wastes must be accompanied by necessary chemical analyses to pro- and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	ove the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
·	SOUS FROM
BRIEF DESCRIPTION OF THE MATERIAL: HYDROCARBON CONTAMIN	ARTED SOILS FILOM

OCTI 41993
OIL CON. DIV

				L CON. DIV DIST. 3
Estimated Volume	cy Kr		d by the operator at the end of the hauli:	cycv
SIGNATURE LLL	Famourent		, ^	DATE <u>9-29-43</u>
TYPE OR PRINT NAME	Verl Farnsworth		TELEPHONE NO	505-632-0615
(This space for State Use) APPROVED BY	my Dr Fa	IITLE	Geologist	DATE <u>10/14/93</u>
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: Home C	DIL, SO. UTE 24-10, LARMA CONTY CO
Source: Compressor / Dem	EARTH PIT
Disposal Location: Envirotech	Soil Remediation Facility, (ESRF) Hilltop, New Mexico
Environmental Protection Determination. To my knot pursuant to the provision nature as non-hazardous knowledge no "hazardous provisions of 40 CFR, Paradded or mixed with the mixture a "hazardous wast CFR, section 261.3(b)."	cance for disposal, I hereby certify on-exempt waste as defined by the Agency's (EPA) July 1988 Regulatory owledge, this waste will be analyzed as of 40 CFR Part 261 to verify the I further certify that to my or listed waste" pursuant to the to 261, Subparts C and D, has been waste so as to make the resultant te" pursuant to the provisions of 40 at for the Moral ERP U.S. INC.
	T
	Name PETE W. RICHARDOW
	Title/Agency Environmental & Requision
	Address 12450 GREENS POINT HOUSTON TX 77060
	Signature Reter W. Richardin
	Date 10-6-93



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY P.O. BOX 315 IGNACIO, COLORADO 81137

SEP 1 4 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.

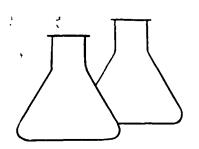
All test data should be forwarded to the Southern Ute Environmental Office for their review. Your procedures for testing and handling of materials should comply with those currently cutlined by BLM, New Mexico, regulations. You will also need to comply with any stipulations imposed by the Southern Ute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

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

Sincerely Eilen Candelaria

Superintendent

Zich:



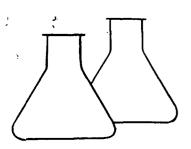
5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 • FAX: (505) 632-1865

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

Client:	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	Reco	overy
		Bromochloromethane		100	8
		Bromofluorobenzene		92	%



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:

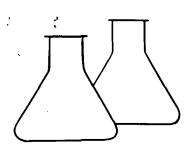
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 24-10 Separator/Compressor Pit

MILLE

Review



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

Parameter

SURROGATE RECOVERIES:

2-fluorophenol	106 %
2,4,6-tribromophenol	99 %

Percent Recovery

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

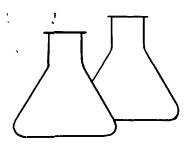
ND - Parameter not detected at the stated detection limit.

Comments:

So. Ute 24-10 Sep/Comp Pit

Analyst Gensen

Review Hauna



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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 R	ECOVERY:	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:

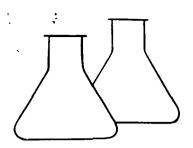
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 24-10 Separator/Compressor Pit

Malyst L. Cycles

Review Young



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.

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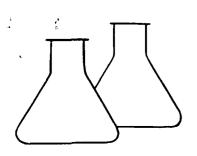
Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: Southern Ute 24-10 Separator/Compressor Pit

Analyst L. Cycure

Review Jones



RCRA CHARACTERISTICS

Client: Mobil Oil
Sample ID: Composite
Lab ID#: 6133
Sample Matrix: Soil

Preservative: Cool

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

Project #:-:

Date Reported:

Date Sampled:

Date Received: 09-17-93

Date Analyzed: 09-22-93

93172-15

09-22-93

09-17-93

(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

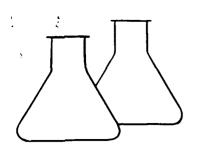
Seur J. Geneu Analyst

Reviewed Joune

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QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



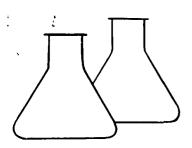
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EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	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	พท	0 005	7 5

SURROGATE RECOVERIES:	Parameter	Percent	Reco	very
	Bromochloromethan	=	102	%
	Bromofluorobenzene	=	97	⁸



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:

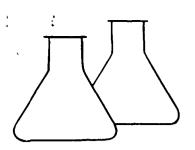
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analugt

Review



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	Pero	ent 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.

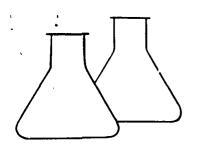
Note:

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:

Review



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

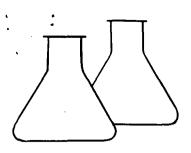
Note:

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:

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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

	Instrument Blank	Extraction Sol. Blank	Det. Limit
Parameter	(mg/L)	(mg/L)	(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

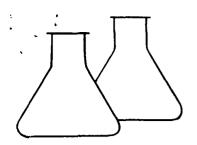
Method 1311, Toxicity Characteristic Leaching Procedure SW-846, USEPA, Nov. 1992.

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst

Review

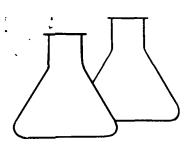


EPA METHODS 8010/8020 AROMATIC VOLATILE ORGANICS/HALOGENATED VOLATILE ORGANICS Pg 1/2

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

	•	Det.	Regulatory
	Concentration	Limit	Limits
Parameter	(mg/L)	(mg/L)	(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	Ø.5
1,2-Dichloroethene	ND	0.005	0.5
Trichloroethene	ND	0.005	Ø.5
Tetrachloroethene	ND	0.005	0.7
Chlorobenzene	ND	0.005	100
1.4-Dichlorobenzene	ND	0.005	7.5

SURROGATE	RECOVERIES:	Parameter	Percent Re	covery
				-
		Bromochloromethane	10	0 %
		Bromofluorobenzene	9	5 %



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:

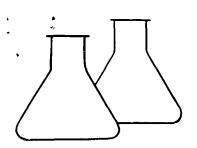
Regulatory Limits based on 40 CFR part 261 Subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

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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:

r arameter	rereche	Kecovery
2-fluorophenol		98 %
2,4,6-tribromophenol		95 %

Percent Recovery

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:

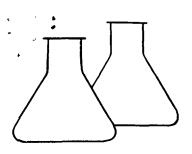
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments:

Analyst Genser

Review Grung



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

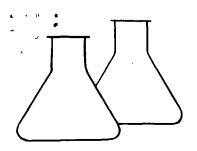
Note:

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:

Review Garage



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	ИD	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	ИD	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:

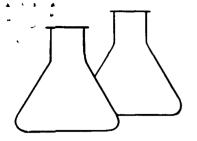
Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992

ND - Parameter not detected at the stated detection limit.

Comments: TCLP Extraction Proceedure Method Blank

Analyst laur

Monis A young



ENVIROTECH LABS

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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: 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

Spiked SW-846 Sample Spike Sample Det. % Rec. Result Added Result Limit Percent Accept. Parameter (ug/L) (ug/L) (ug/L) (ug/L) Recovery Range _____ ______ _____ Vinyl Chloride 5.3 ND 10.0 9.8 97 28-163 2-Butanone ND 10.0 12.5 95 8.6 47-132 1.1-Dichloroethene ND 10.0 10.2 5.0 100 43-143 101 Chloroform ND 10.0 10.1 5.0 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 10.0 Trichloroethene ND 9.2 5.0 92 35-146 10.0 10.0 10.1 Tetrachloroethene ND. 5.1 96 26-162 Chlorobenzene ND 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.

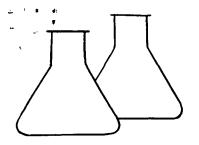
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Aller Geller

Review



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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:	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	ИD	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:

Review James

CHAIN OF CUSTODY RECORD

Client/Project Name 9:	3172-	15	Project Location S			_	·)	ANA	LYSIS/I	PARAME	TERS		
Sampler: (Signature)			Chain of Custody Ta	pe No.			0						Remarks	
MICHAEL K.	LANE	<u>-</u>				No. of Containers	30							
Sample No./ Identification	Sample Date	Sample Time	Lab Number		Sample Matrix	Contro	Teld who							
COMPOSIT	9/17/93	1310	6133	Sou			/							
										·				
														
							<u> </u>						<u> </u>	
							<u> </u>							
														-
		:	· ·							_				
					·									
Relinquished by: (Signature)) W-		Date 9/17/53	7.30	Received by: (S		haha	uh	~			Date 9-17-93	730
Relinquished by: (Signature)						Received by: (S				ð				19
Relinquished by: (Signature)					·	Received by: (S	Signature)		1					

Envirotech Inc.

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

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UNDERGROUND TANK TESTING - SITE ASSESSMENT - SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

•		_ :			==/
Originating Location	n: <u>>0, U</u>	TE 24-10) SepPiti	Comp Pit	"/sw/, S10, T32H,
Source of Contaminat	tion: E	ARTHEM:	SEP/COMP	eesson F	2
Generator: MOSTA OIX	2				
Disposal Location:		Hill.	top, New 1		
		-,			
		. <u>-</u> 			
"We, the transy from the above with and is mentioned Gene been added."	locati	on has n me mate	ot been a rial rec	dded to d	or mixed om the above
- -		····		·.	
	. N	<pre>lame:/</pre> <pre>Company:_</pre>	MICHAEL I ENVIROTE	K. LANE	
		Signature		A SE	

	0100
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. 中CRA Exempt: 区 Non-Exempt: 口	4. Generator
Verbal Approval Received: Yes P No D	Meridian Dil Inc
2. Destination	5. Name of Originating Site
Envirotech Inc Landfarm #2	Reid B-6
3. Address of Facility Operator	6. Name of Transporter
5796 US Awy 64 7. Location of Material (Street Address or ULSTR) J-3/-29N-10W	Bounfield Cravel In
7. Location of Material (Street Address or ULSTR) ブー3/フタルールい	8. State
E. Inile of Sunderra Plant + Panile north	NM
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	
B. All requests for approval to accept oliticid exempt wastes will be accompanied by a certification of waste from the	
Mexico Environment Department or other appropriate government agency; two certificates per job.	
C. All requests for approval to accept non-exampt wastes must be accompanied by necessary chemical analyses to pro- and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	ve the material is non-hazardous
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF THE MATERIAL:	
production of the material: Production of leak - Seal out on the polished	
Driduction of	
the polished	Toks.
Teal out the	•
	MEARINA
	RECEIVEM
	OCT 2 2 1993,
	CON. DIA.
	DIST. 3
	A-77
	// /-
Estimated Volume) 40 cy Known Volume (to be entered by the operator at	the and of the health
Estimated Volume Cy Known Volume (to be entered by the operator at I hereby certify that the information above is true and complete to the best of my knowledge and belief.	the end of the hauff:
SIGNATURE MILL FAMSWARDS TITLE Comst Sug	9+ DATE 9-17-93
Word Time and	622 4/15
TYPE OR PRINT NAME VEEL FARNSWORTH	TELEPHONE NO
(This space for State Use)	
APPROVED BY Newry 3. Found TITLE GEOLOG	5 ist DATE 10/2579
	,
APPROVED BY Kine Bush TITLE Beal	DATE /0/26/9
9	

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. Reid 86
	2. Volume: 40 cubic Yards Barrels Gallons 3. Description of Waste: produced oil Confirmated 50,1 from production location
	4. Method of Waste Generation: stoffing box Jech an pumping
	5. Disposal Cost: # 16.00 / got plus transport.
/ u.	6. This waste material complies with the definition of exempt waste as listed in 40 CFR 261.4. Approval for Disposal (signature) Date 10/14/9
MOI On Site Representative	Transportation Company: EnciPo TecH INC. Date(s) Transported: 9/30/93 MOI Representative on Site Mark Glavery Date 14/4/9 (signature)
Envirotech complete and return to Meridian Safety and Environmental with invoice.	Date(s) Received: 9-20-93 Total Volume Received: 56 cy Waste Location: Cell/Grid No. A-22 Received By: 56kmsnu (signature)



5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

Originating Location:	Reid B-6
Source of Contamination	
Generator: Meria	ian Oil Inc
_	nvirotech Soil Remediation Site, Hilltop, New Mexico andfarm #1 Landfarm #2
	•
	•
with and is th	ocation has not been added to or mixed le same material received from the above tor, and that no additional materials have
	,
	Name: VERI FARNSWORTH
	Company: Envirofect Inc
	4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	Signature: Vel Januarant
	Date: 9-20-93

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: 🖂 Non-Exempt: 📮	4. Generator
Verbal Approval Received: Yes 🖟 No □	Man. A.
2. Destination	5. Name of Originating Site
	5. Name of Originating Site
ENVIROREH SOIL RELIGIATION FRICITY HILLIAM HUL	CTE INDIAN 3-12
3. Address of Facility Operator	6. Name of Transporter
5796 USHWY 64-3014 FARMINGTON, NOT 87401 7. Location of Material (Street Address or ULSTR) LA PLATA CEDUTY	BUIRETECH LE
7. Location of Material (Street Address or ULSTR)	8. State
DTE LUDIAN 3-12 ST SIZ, T33H RILW, HAPM	Cocorado
_	
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the	Consessed and sayiffinate par inh
B. All requests for approval to accept non-collifeld exempt wastes will be accompanied by a certification of waste status	, s , *
Mexico Environment Department or other appropriate government agency; two certificates per job.	THE THE GUINIEUT WAS THE TIETT
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to pro	ve the material is non-hazardous
and the Generator's certification of origin. No weste 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: HYDROCARISON CONTAMINATED	EZON SEPARATOR
BRIEF DESCRIPTION OF THE MATERIAL: HYDIZOCARISON CONTAMINATED	Jen 1 Pari
PIT AREA.	
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	DEGERAEIII
	OCT 01 1993
	OIL CON. Lundfarm
	OIL CON. Landfarm
	n-17
	0 12
Warran Malana da ba anno da ba anno da ba anno da ba anno da ba anno da ba anno da ba anno da ba anno da ba an	37
Estimated Volume	the end of the hauli:
	DATE 9/21/93
SIGNATURE _ CHILL FILM MATTER V. PRESIDON	DATE 721713
TYPE OR PRINT NAME VERL TARNSWORTH	TELEPHONE NO. 585-637-061
(This space for State Use)	
	- ht would?
APPROVED BY Jemy J. Joun TITLE Geolos	
	5/S/ DATE 10/4/93
	5/3/ UNIC 10/1/19
APPROVED BY MILE Out TITLE CON	DATE 10/4/93
APPROVED BY June 1 Durach TITLE Grad	

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

Project: 93172-8

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

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 NMOCD 9/17/93).

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

Respectfully submitted,

ENVIROTECH INC.

Michael K. Lane, P.E.

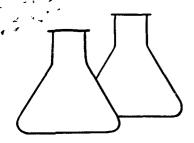
Project Manager

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



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
Sample ID: T2 @ 3' bgs
Project Location: Ute Indian 3-12

Laboratory Number: GAC0197

Project #:

93172

Date Analyzed: 08-26-93 Date Reported: 08-27-93

Sample Matrix: Soil

Result, mg/kg

Detection Limit, mg/kg

Petroleum Hydrocarbons

15700

100

Quality Assurance:

Original TPH mg/kg

15700

Duplicate

TPH mg/kg

14500

8

Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste,

USEPA Storet No.4551, 1978

Comments: Separator Pit

Envirotech Inc.

RECEIVEL SET 2 | 1993

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

Source: Separator Pit Disposal Location: Envirotech Soil Remediation Facility, (ESRF)	Originating Location: MoBIL OIL DIE INDIAN 3-12 LA PLATA CC	>
Disposal Location: Envirotech Soil Remediation Facility. (ESRF)	Source: SEPARATOR PIT	
Hillton New Mexico	Disposal Location: Envirotech Soil Remediation Facility, (ESRF) Hilltop, New Mexico	<u> </u>

"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 Mobile E & PUS loc. concur with the status of the waste from the subject site.

Name PETE W. RICHARD SON
Title/Agency Engleon MESTAL & Reconstroer
ENGINEER ING ADVICE
Address Moise Oil 12450 Gazero Rut
HOUSTON, TX 77060
signature Lety W. Richardson
Date 9-17-93



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

SOUTHERN UTE AGENCY P.O. BOX 315 IGNACIO, COLORADO 81137

SEP 1 4 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 Eilen Candelaria

Superintendent

Action,

ENVIROTECI. INC.

CF2-DIZ 93/71-08

Underground Tank Testing • Site Assessment • Site Remediation

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

Source of Contamina	ation: <u>EARTHEN SOR F</u>	Pit
Generator: Mogn	OR	
Disposal Location:	Envirotech Soil Remed Hilltop, No Landfarm #1	ew Mexico
	Delicated in #1	bandraim #2
ar en		-
-		
	erator, and that no a	additional materials have
mentioned Gen been added."	erator, and that no a	additional materials have
	erator, and that no a	additional materials have
	erator, and that no a	additional materials have
	erator, and that no a	additional materials have
	Name: Michael	K. LANE
		K. LANE
	Name: Michael	K. LANE
	Name: Michael	K. LANE
	Name: Michael Company: Envir	K. LANE
	Name: Michael	K. LANE

	REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxx
1.	RCRA Exempt: □ Non-Exempt: □	4. Generator
	Verbal Approval Received: Yes 🌣 No □	El Paso Natural Gas Co.
2.	Destination	5. Name of Originating Site
	Envirotech Landfarm	EPNG Lindrith Plant
3.	Address of Facility Operator	6. Name of Transporter
	5796 U.S. Hwy 64-3014, Farmington, New Mexico 87401	El Paso Natural Gas Co.
7.	Location of Material (Street Address or ULSTR)	8. State
	Lindrith Gas Plant, Lindrith 2000	New Mexico

9. Check One

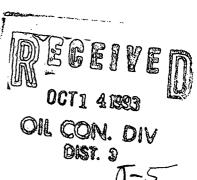
All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.

- B. All requests for approval to accept non-cilifield 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 approvel 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



			J-5
Estimated Volume	cy Known Volume (to be entere	d by the operator at the end of the haull:	8cy ~
	TITLE	belief.	DATE 10-6-93
TYPE OR PRINT NAME VIEW	1 FARUSWORTH	TELEPHONE NO.	632-0615
(This space for State Use) APPROVED BY Permy	g. Fair TITLE	Geologist	DATE 10/14/93
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	Musch TITLE	Cercl	DATE/0/14/93

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 OILFIELD EXEMPT WASTE

Originating Location: EPNG LNDRUTH PLANT		
SOUTCE: PLANT DEMYRATOR RELEASED TRIETHYLENE GLYCOL (USED) OMTO 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 Po. Rox 4990 Farmingson, NM 87499 Signature Andr D. Wille		

Date 10/6/93

ENVIROTE H 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 bilfield waste from El Paso Naturals Gas Lindrith Plant sue 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 Originating Location:__

Source of Contamination:_

Underground Tank Testing • Site Assessment • Site Remediation

5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

Generator: EPN	G-Co
Disposal Location:	Envirotech Soil Remediation Site, Hilltop, New Mexico Landfarm #1 Landfarm #2
from the above with and is	porters, certify the material hauled location has not been added to or mixed the same material received from the above rator, and that no additional materials have
·	
	Name: Richard R Chauez
	company: El PASONAT GAS CO
	Farmington NM
	Signature: Richard R Char

	91364
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes No D	Meridian Dil
2. Destination	5. Name of Originating Site
Envirolech Inc Land Farm # 2	an Juan 29-7 #884
3. Address of Facility Operator	6. Name of Transporter
7. Location of Material (Street Address or ULSTR)	Cimaryon Other Service
7. Location of Material (Street Address or ULSTR)	8. State
San Juan 29-7 #88A	NN
9. Check One	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Go	inerator; one certificate per job.
B. All requests for approval to accept non-cilifield exempt westes will be accompanied by a certification of waste status fr Mexico Environment Department or other appropriate government agency; two certificates per job.	ı
C. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analyses to prove and the Generator's certification of origin. No waste classified as hazardous by listing or testing will be approved.	the material is non-hazardous

BRIEF DESCRIPTION OF THE MATERIAL:

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

Production Tank overflow

OCT 01 1993 OIL CON. DIVJ DIST. 3

H-22

Estimated Volume		cy Knowr	Volume (to be ente	red by the operator at the end of the	haull:cv
i nereby certify that the informa	tion above is true and	complete to the best	of my knowledge ar	nd belief.	<i>a</i> - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
SIGNATURE	Jams	worth	TITLE	ust Supt	DATE 9-29-53
TYPE OR PRINT NAME _	1	Egensna			NE NO. 632-0615
(This space for State Use)	_	,			
APPROVED BY De	my G.	Fount	TITLE	Geologist	DATE 10/4/93
APPROVED BY	g uio //	Zouls	TITLE _	Geol	DATE 10/4/193

Safety and Environmental	1. Waste Location: Lease/Well No. SAN JUAN 29.7 #88 A
	2. Volume: 7 cubic Yerds Barrels Gallons 3. Description of Waste: 612 STRIALED VIET
	4. Method of Waste Generation: TRUK OUSA 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 (signature) Date 9-29-93
MOI Representative	Transportation Company: CIPUS RROW Date(s) Transported: 9/29/93 MOI Representative on Site Publish Remain Date 9/29/93 (eigneture)
Envirotech Complete and etum to Agridian Lafety and Environmental Afith Invoice.	Date(s) Received: Total Volume Received: Waste Location : Cell/Grid No Received By :

ENV ROTECH 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	n: <u>San Juan</u> 29-7#884
Source of Contamina	tion: Tank overflow
Generator: Mini	- /
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: DAN FOLEHMART
Company: CiMARRON)
Signature!
Signature:
Date: $9 - 30 - 93$

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE	xxxxxxxxxxxxxxxxxxxxxxxxxxx
1. RCRA Exempt: Non-Exempt:	4. Generator
Verbal Approval Received: Yes ■ No □	Maridian Dil Inc
2. Destination	5. Name of Originating Site
5. Address of Facility Operator	Val Verde Plant
,	6. Name of Transporter
7. Location of Material (Street Address or ULSTR)	twirdech Tec
1	8. State
Blamfield un	Nu
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 s	
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	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 approve	
All transporters must certify the wastes delivered are only those consigned for transport.	
Continuation of m. approved for receiving	a derial
	OCT.01/1993.
	OIL CON. DIV.
	OIB ONST. 3
	7.0
Estimated Volume 1 cy Known Volume (to be entered by the operation largely certify that the/information above is true and complete to the best of my knowledge and belief.	or at the end of the haul):cy
SIGNATURE SIGNATURE TITLE Sust	Supt DATE 9-30-9.
TYPE OR PRINT NAME VERY FARMSWORTH	TELEPHONE NO. <u>(033-0615</u>
(This space for State Use)	
APPROVED BY Deny 2. Fourt TITLE GOOD	0915T DATE 10/4/93
APPROVED BY Live Bouch TITLE Goot	DATE 144/9

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 Garlenshing
Date of TCLP NA
Name Rent Carlenshine
Company Merilian Oil Anc
Site Val Verde Plant
Source Charcoal Filter Media
Date Sept 30,93
632-1723

Envirotech Exempt Waste Manifest Meridian Oil Inc. FO Box 4289, Farmington, NM 87499

MOI Safety and Environmental	1. Waste Location: Lease/Well No. Val Verde Plant
	2. Volume: 20 Cubic Yards Barrels Gaillons
	3. Description of Waste: Chancoz/ Filter media
	· · · · · · · · · · · · · · · · · · ·
	4. Method of Waste Generation: C S 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 August Date 3/30/9
MOI On Site	Transportation Company: Eugisofech
Representative	Date(s) Transported: 9-30-93
	MOI Representative on Site <u>Bert Sauleelus</u> Date <u>9-30-9</u>
Envirotech	Date(s) Received:
Complete and return to	Total Volume Received:
Meridian Safety and	Waste Location : Cell/Grid No.
Environmental with invoice.	Received By: Ken Four an a (signature)