NM1 - 21

C-138

YEAR(S):

2001 - 1998

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator EOTT
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs Shell 8"
2. Management Facility Destination Rhino NMOCD Farm	6. Transporter
3. Address of Facility Operator 1300 W. Co. Rd Hobbs	8. State
7. Location of Material (Street Address or ULSTR) SE/4 Sec 2 T14S R37E and NE/4 Sec 11 T15S R37E	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:
Soil contaminated with crude oil from a pipeline leak.

Estimated Volume ~600 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: SR. PROJECT MANAGER DATE: 2-20-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN HODGE TELEPHONE NO. 505-392-4498

(This space for State Use)

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 5-1-01

APPROVED BY: _____ TITLE: _____ DATE: _____

RECEIVED

APR 30 2001

Environmental Bureau
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: EOTT ENERGY PIPELINE 5805 E. Highway 80 Midland, TX 78701	3. Location (Street Address &/or ULSTR): SE/4 sec 2 T14S R37E + NE/4 sec 11 T15S R37E Lat 32° 02' 18" N Long 103° 10' 03" W
2. Originating Site (Name): Hobbs Shell 8" Line	4. Destination Name: Goodyear Land Farm

5. Source and Description of Waste
Crude Oil Pipeline / Crude oil Contaminated soil

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

___ EXEMPT oilfield waste

✓ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
___ RCRA TCLP Analysis
___ Chain of Custody
✓ Other (Description)

NMOCD Letter waiving RCRA TCLP based on Process Knowledge + previous studies.

Name (Signature): Frank Hernandez

Printed Name: FRANK HERNANDEZ

Title:

Date: 2-20-01

Attach list of originating sites as appropriate.

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

September 17, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. P-288-258-835

Ms. Lennah Frost
Environmental Engineer
EOTT Energy
P.O. Box 1660
Midland, Texas 79702

RE: CRUDE OIL GATHERING SYSTEM SPILLS

Dear Ms. Frost:

The New Mexico Oil Conservation Division (OCD) has reviewed EOTT Energy Operating Limited Partnership (EOTT) August 8, 1996 correspondence which presents the results of representative RCRA hazardous waste characteristic sampling of contaminated soils from pipeline related spills of crude oil. EOTT requests that they be allowed to use these analyses and a statement of process knowledge for determining the soils to be RCRA non-hazardous during future crude oil pipeline spill remediations. These analyses are to be used in lieu of individual sampling of each spill event.

The above referenced request is approved with the following conditions:

1. The above representative analyses can be used in lieu of individual sampling of each spill event.

2. EOTT will reference the above waste determination identified as "EOTT-DENTON-8896" in all future RCRA non-exempt crude oil spill reports to the OCD.

3. EOTT will notify the OCD within 24 hours of any system changes which could potentially alter the composition of any spilled crude such that RCRA hazardous waste characteristics in the spill area could be exceeded.

Ms. Lennah Frost
September 17, 1996
Page -2-

Please be advised that OCD approval does not relieve EOTT of liability should these types of leaks and spills result in actual contamination of surface waters, ground waters or the environment. In addition, OCD approval does not relieve EOTT of responsibility for compliance with any other federal, state or local laws and/or regulations. If you have questions please contact me at (505) 827-7152.

Sincerely,

Roger C. Anderson
Environmental Bureau Chief

xc: OCD Artesia District Office
Benito Garcia, NMED Hazardous and Radioactive Waste Bureau

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Ms Lennah Frost
EOTT Energy
P.O. Box 1660
Midland Tx 79702

4a. Article Number
P 288 285 835

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
SEP 25 1996

5. Received By: (Print Name)
Sherry Bradley

6. Signature: (Addressee or Agent)
X

8. Addressee's Address (Only if requested and fee is paid)

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

PS Form 3811, December 1994 Domestic Return Receipt

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
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New Mexico
Energy Minerals and Natural Resources Department
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2040 South Pacheco Street
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Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator TWO STATE TANK
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs YARD
2. Management Facility Destination Rhino NMOCD FARM	6. Transporter Rhino
3. Address of Facility Operator 1300 W. CO. Rd Hobbs	8. State NM
7. Location of Material (Street Address or ULSTR) SAME	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL: WASTE WILL COME FROM THE REMEDIATION OF THE OLD CLEANOUT PIT, LOCATED @ 1300 W. CO. Rd Hobbs.

Estimated Volume 1,000 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: SR. PROJECT MANAGER DATE: 1-22-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN Hodge TELEPHONE NO. 505-392-4498

(This space for State Use)

APPROVED BY: Martyne J Kieling TITLE: Environmental Geologist DATE: 5-1-01

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: TWO STATE TANK RENTAL, INC. P.O. BOX 2305 HOBBS, NEW MEXICO 88241	3. Location (Street Address &/or ULSTR): TWO STATE TANK RENTAL, INC. 1300 WEST COUNTY ROAD HOBBS, NEW MEXICO 88241
2. Originating Site (Name): TWO STATE TANK RENTAL, INC. 1300 WEST COUNTY ROAD HOBBS, NEW MEXICO 88241	4. Destination Name: RHINO ENVIROMENTAL SERVICES, INC. NMOCD LAND FARM 8 MILES SOUTH OF HOBBS

5. Source and Description of Waste

I, STEVE CHAMBERS representative for: TWO STATE TANK RENTAL, INC. do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

X NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
X RCRA TCLP Analysis
___ Chain of Custody
___ Other (Description)

Name (Signature): Steve Chambers

Printed Name: STEVE CHAMBERS

Title: _____

Date: 1/22/01

Attach list of originating sites as appropriate.

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

January 26, 2001

Mr. Allen Hodge
Rhino Env. Services- Hobbs
4007 Lovington Hwy.

Hobbs, NM 88240
TEL: 505-392-4498 FAX: 505-392-9376

Work Order: 0101299
Project: Two State Pit Closure

Dear Client:

Anachem, Inc. received 1 sample on 01/23/2001 for the analyses presented in the following report.

The samples were analyzed for the following tests:

- Corrosivity (EPA 9040)
- Ignitability - Solid
- Reactivity (Full)
- TCLP Herbicides-SOIL
- TCLP Microwave Digestion (EPA 3015)
- TCLP Pesticides-SOIL
- TCLP RCRA Metals (EPA 6010)
  - Arsenic
  - Barium
  - Cadmium
  - Chromium
  - Lead
  - Mercury
  - Selenium
  - Silver
- TCLP Sample Prep (Metals)
- TCLP Sample Prep (Organics)
- TCLP Semivolatiles-SOIL
- TCLP Volatiles - Solid

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

January 26, 2001

Mr. Allen Hodge
Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure
TCLP ZHE (Volatile Extraction)

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

Howard H. Hayden, B.S.
Chemist

Anachem, Inc.

Date: *26-Jan-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

Analyses	Result	Limit	Units	Date Analyzed
Lab ID: *0101299-01A*				
Client Sample ID: Composite of Excavated Impacte		**Collection Date:**	1/22/01	
Location: Hobbs Yard, Hobbs, NM		**Matrix:**	SOIL	
0101299-01A **CORROSIVITY (EPA 9040)**			**Prep Date:**	**Analyst:** SD
BatchID: R9274				
pH	7	0.005	pH Units	1/23/01
0101299-01A **IGNITABILITY - SOLID**			**Prep Date:**	**Analyst:** SD
BatchID: R9275				
Ignitability	ND	1	°F	1/23/01
FLASH POINT = >150F				
0101299-01A **REACTIVITY (FULL)**			**Prep Date:**	**Analyst:** SD
BatchID: R9292				
Cyanide, Reactive	ND	0.1	mg/Kg	1/23/01
Reactivity to Acid	ND	0	mg/Kg	1/23/01
Reactivity to Air	ND	0	mg/Kg	1/23/01
Reactivity to Alkali	ND	0	mg/Kg	1/23/01
Reactivity to Water	ND	0	mg/Kg	1/23/01
Sulfide, Reactive	**200**	0.3	mg/Kg	1/23/01
0101299-01A **TCLP HERBICIDES-SOIL**			**Prep Date:** 1/24/01	**Analyst:** HH
BatchID: R9311				
2,4,5-TP (Silvex)	ND	0.0005	mg/L	1/24/01
2,4-D	ND	0.005	mg/L	1/24/01
0101299-01A **TCLP RCRA METALS (EPA 6010)**			**Prep Date:** 1/24/01 10:26:05	**Analyst:** BMC
BatchID: 9291				
Arsenic	ND	0.025	mg/L	1/24/01
Barium	**4.54**	0.003	mg/L	1/24/01
Cadmium	ND	0.003	mg/L	1/24/01
Chromium	ND	0.003	mg/L	1/24/01
Lead	ND	0.037	mg/L	1/24/01
Mercury	**0.017**	0.009	mg/L	1/24/01
Selenium	**0.042**	0.037	mg/L	1/24/01
Silver	ND	0.025	mg/L	1/24/01
0101299-01A **TCLP PESTICIDES-SOIL**			**Prep Date:** 1/25/01	**Analyst:** HH
BatchID: R9334				
Chlordane	ND	0.005	mg/L	1/25/01
Endrin	ND	0.005	mg/L	1/25/01
gamma-BHC	ND	0.005	mg/L	1/25/01
Heptachlor	ND	0.005	mg/L	1/25/01
Heptachlor epoxide	ND	0.005	mg/L	1/25/01
Methoxychlor	ND	0.005	mg/L	1/25/01
Toxaphene	ND	0.005	mg/L	1/25/01

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *26-Jan-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

Analyses	Result	Limit	Units	Date Analyzed
0101299-01A **TCLP SEMIVOLATILES-SOIL**			**Prep Date:** 1/24/01	**Analyst:** HH
BatchID: R9320				
2,4,5-Trichlorophenol	ND	0.1	mg/L	1/24/01
2,4,6-Trichlorophenol	ND	0.1	mg/L	1/24/01
2,4-Dinitrotoluene	ND	0.1	mg/L	1/24/01
Cresols, Total	ND	1	mg/L	1/24/01
Hexachlorobenzene	ND	0.1	mg/L	1/24/01
Hexachlorobutadiene	ND	0.1	mg/L	1/24/01
Hexachloroethane	ND	0.1	mg/L	1/24/01
Nitrobenzene	ND	0.1	mg/L	1/24/01
Pentachlorophenol	ND	0.1	mg/L	1/24/01
Pyridine	ND	0.1	mg/L	1/24/01
0101299-01A **TCLP VOLATILES - SOLID**			**Prep Date:**	**Analyst:** MC
BatchID: R9298				
1,1-Dichloroethene	ND	0.1	mg/L	1/24/01
1,2-Dichloroethane	ND	0.1	mg/L	1/24/01
1,4-Dichlorobenzene	ND	0.1	mg/L	1/24/01
2-Butanone	ND	0.1	mg/L	1/24/01
Benzene	**0.12**	0.1	mg/L	1/24/01
Carbon tetrachloride	ND	0.1	mg/L	1/24/01
Chlorobenzene	ND	0.1	mg/L	1/24/01
Chloroform	ND	0.1	mg/L	1/24/01
Tetrachloroethene	ND	0.1	mg/L	1/24/01
Trichloroethene	ND	0.1	mg/L	1/24/01
Vinyl chloride	ND	0.1	mg/L	1/24/01

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *26-Jan-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

QC SUMMARY REPORT

ICP Metals (EPA 200.7)

BatchID: 9291 **Units:** mg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Arsenic	5	112.0%	105.8%	75%	125%	5.7%	15
Barium	5	110.7%	103.7%	75%	125%	6.5%	15
Cadmium	5	110.7%	102.7%	75%	125%	7.5%	15
Chromium	5	110.5%	103.1%	75%	125%	6.9%	15
Copper	5	109.8%	102.2%	75%	125%	7.1%	15
Lead	5	110.8%	104.2%	75%	125%	6.2%	15
Mercury	5	113.1%	106.5%	75%	125%	0.0%	15
Molybdenum	5	111.7%	105.1%	75%	125%	6.1%	15
Nickel	5	112.0%	104.2%	75%	125%	7.2%	15
Selenium	5	112.4%	105.8%	75%	125%	6.1%	15
Silver	5	110.9%	103.5%	75%	125%	6.9%	15
Zinc	5	113.5%	105.7%	75%	125%	7.1%	15

Reactivity (Full)

BatchID: R9292 **Units:** mg/Kg **Analysis Date:** 1/23/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Cyanide, Reactive	2	94.2%	106.2%	50%	150%	12.0%	15
Sulfide, Reactive	1000	80.0%	60.0%	50%	150%	28.6%	15

Anachem, Inc.

Date: *26-Jan-01*

CLIENT: Rhino Env. Services- Hobbs
Work Order: 0101299
Project: Two State Pit Closure

QC SUMMARY REPORT

Volatiles by EPA 8260 - Aqueous

BatchID: R9298 **Units:** µg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
1,1-Dichloroethene	20	105.2%	96.5%	20%	234%	8.6%	25
Benzene	20	116.9%	119.5%	37%	151%	2.2%	25
Chlorobenzene	20	100.4%	91.6%	37%	160%	9.2%	25
Toluene	20	107.3%	107.9%	47%	150%	0.6%	25
Trichloroethene	20	101.7%	100.1%	71%	157%	1.6%	25

TCLP Herbicides-SOIL

BatchID: R9311 **Units:** mg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2,4,5-TP (Silvex)	0.1	116.0%	122.0%	8%	170%	5.0%	35
2,4-D	0.1	118.0%	122.0%	8%	170%	3.3%	35

Base Neutral & Acids Extractables by EPA 625

BatchID: R9320 **Units:** µg/L **Analysis Date:** 1/24/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2-Chlorophenol	100000	115.8%	107.5%	23%	145%	7.4%	31
Acenaphthene	50000	89.0%	89.1%	47%	145%	0.1%	31
Phenol	100000	101.6%	90.9%	10%	120%	11.1%	42
Pyrene	50000	87.5%	76.3%	52%	125%	13.7%	31

Organochlorine Pesticides/PCB by EPA 608-Aqueous

BatchID: R9334 **Units:** µg/L **Analysis Date:** 1/25/01

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
4,4'-DDD	200	99.7%	100.8%	31%	141%	1.1%	35
4,4'-DDT	200	105.5%	106.4%	25%	160%	0.9%	35
Endosulfan sulfate	200	100.2%	100.0%	26%	144%	0.2%	35
Endrin	200	95.8%	96.8%	30%	147%	1.1%	35
Heptachlor	200	87.1%	88.0%	33%	135%	1.1%	35

Purchase Order/Chain Of Custody

Page___of ___.

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: ALLEN Hodge	Bill To: (Buyer) Rhino
Company: RHINO ENV. SERV, INC	Purchase Order #: TWO STATE
Address: 4007 Lovington Hwy	Address: PO BOX 57180
City, State, Zip: Hobbs, NM 88240	City, State, Zip: Albq., NM 87187-7180
Phone: 505 392-4498 Fax: 505 392-9376	Phone: 800-262-0241 Fax: 505 797-4874

Project Name: TWO STATE PIT CLOSURE Quote #:

Project Location: Hobbs yard City, State: Hobbs, NM

Date Due: ASAP Rush: 0% 25% 50% (100%) Sampled By: ALLEN Hodge

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	Analysis: FULL TCLP	Analysis: TLP & METALS	Analysis: RCI
010299-01	1. COMPOSITE OF EXCAVATED	SOIL	12201/1200	ICE	X	X	X
	IMPACTED SOIL	"					
	3.						
	4. (NOTE) TWO JARS ARE SAME						
	5. SAMPLE						
	6.						
	7.						
	8.						
	9.						
	10.						

Relinquished By	Date	Time	Received By	Date	Time
[signature]	12201	1700	Lee Bonner	12/23/01	0945

Sample Receipt Notes
Temperature 5°
Preserved Properly
COC Seals Intact
Method of Shipment Fed Ex

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal____
Accept Returned Sample ____

Submission # 010299

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

District II - (505) 748-1283
811 S. First
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District III - (505) 334-6178
1000 Rio Brazos Road
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Oil Conservation Division
2040 South Pacheco Street
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(505) 827-7131

Submit Original
Plus 1 Copy
to appropriate
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Chevron Products Co., USA
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site 6501 Trowbridge El Paso, Tx 79905
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino Solid Waste
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State Texas
7. Location of Material (Street Address or ULSTR) 69 Tank Basin	6501 Trowbridge, El Paso, Tx 79905

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

water, impacted by gasoline + diesel, was recovered from wells installed at sites where there used to be old technology storage tanks.
The contaminated water recovered was then stored in tank 69. Tank 69 leaked causing contamination of the soil.

Estimated Volume 270 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] Waste Management Facility Authorized Agent TITLE: General Manager DATE: _____

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 4-19-01

District I - (505) 393-6161
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New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
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(505) 827-7131

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Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Chevron Products Co., USA
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site 6501 Trowbridge El Paso, Tx 79905
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino Solid Waste
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State Texas
7. Location of Material (Street Address or ULSTR) 69 Tank Basin	6501 Trowbridge, El Paso, Tx 79905

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Spill At Recovery well Gasoline Contaminated Soils.

Estimated Volume 270 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: General Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Chevron Products Co. Address: 6501 Trowbridge El Paso, Texas 79905	3. Location (Street Address &/or ULSTR):
2. Originating Site (Name): 69 Tank Battery	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste

I, David Piper representative for: Chevron Products Co. do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

✓ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
✓ RCRA TCLP Analysis
✓ Chain of Custody
___ Other (Description)

Name (Signature): David Piper

Printed Name: David Piper

Title: Waste disposal Coordinator

Date: 4-9-01

Attach list of originating sites as appropriate.

RHINO ENVIRONMENTAL SERVICES, INC.

GENERATOR'S WASTE PROFILE SHEET

Waste Generator Information

1. Generator's Name: Chevron Products Co. 2. SIC Code: _____
3. Generator's Address: 6501 Trowbridge, El Paso, TX 79905
4. Site Address: 69 Tank Basin
5. LUST #: N/A 6. USEPA/Federal ID #: TXD054256277 7. State ID #: 30605
8. Technical Contact: Mike Mailloux 9. Phone: (915) 775-3201

Waste Stream Information

1. Type of Contaminant: Gasoline_____ Diesel_____ Waste Oil_____ Other Recovered hydrocarbons
2. Process Generating Waste: Spill of recovery well hydrocarbons
3. Projected Volume: 270 cu/yds 4. Soil: ✓ Water:_____ Sludge:_____
5. Special Instructions/Supplemental Information: _____

Waste Soil/Water Properties

1. Type of Soil: Sand ✓ Gravel_____ Sandy Loam_____ Clay_____ Other_____
2. Analytical Data: BTEX: ✓ ppm, Method _____
   TPH: ✓ ppm, Method _____
   TCLP: ✓ ppm, Method _____
   Other: RIC, Method _____

   Please see analytical results

Representative Sample Certification

1. Sampler's Name: Jon E Harrison 2. Sample Date: 01/16/2001
3. Sampler's Title: Energy Tech II 4. Sampler's Employer: HLA
5. Sampler's Signature: [signature]
6. Analytical Data Enclosed (inclusive of quality control data and COC) Yes: ✓ No: _____

Generator Certification

By signing this profile sheet, the generator certifies that :

1. This waste is not a "Hazardous Waste" as defined by USEPA and/or the state/province.
2. This waste does not contain regulated radioactive materials or regulated concentrations of PCBs (Polychlorinated Biphenyl's).
3. This sheet and attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
4. The analytical data presented herein or attached hereto were derived from testing representative samples taken in accordance with 40 CFR 261.20(c) or equivalent rules.
5. If any changes occur in the character of the waste, the Generator shall notify the Contractor prior to providing the waste to the Contractor.

Signature: David Piper Title: Waste disposal coordinator

Printed Name: David Piper Date: 04-09-01

Environmental Department
6501 Trowbridge Dr.
El Paso, Texas 79905
Phone #: (915) 775- 3384
Fax #: (915) 775-5532

Chevron Products

Fax

To:	Daniele Bonardelli	**From:**	David P. Pex
Fax:	775-3420	**Pages:**	4
Phone:	775-3384	**Date:**	4-10-01
Re:	Profile App.	**CC:**	

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

•Comments:

Daniele,

There were no sample results for 01-006 - That bag was sent off to another location for disposal.

David

AnalySys Inc.

4221 Freidrich Lane, Suite 190
Austin, TX 78744-1044 • (512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.	**Report #/Lab ID#:** 110744 **Report Date:** 1/26/200
Attn: Mike Manhart	**Project ID:** General Sampling
Address: 6501 Trowbridge Dr.	**Sample Name:** 01-003
El Paso, Tx 79905	**Sample Matrix:** soil
	Date Received: 1/19/2001 **Time:** 11:15:00
Phone: (915) 775-3235 **FAX:** (915) 775-3420	**Date Sampled:** 1/16/2001 **Time:** 12:45:00

REPORT OF ANALYSIS

(See attached pages for report details)

This analytical report respectfully submitted by AnalySys, Inc. The enclosed results have been reviewed and to the best of my knowledge the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

LAB TECH INC.
9221 Freidrich Lane, Suite 190, Austin, TX 78744
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-003

Report #/Lab ID#: 110744
Matrix: soil

REPORT OF ANALYSIS — **QUALITY ASSURANCE DATA**[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN extraction-TC	---				1/24/200	3550	---				
Ignitability	nt ign	°F			1/23/200	1010	---	0	-NA-	-NA-	-NA-
Metals Dig.-Hg/TCLP	---				1/25/200	7470&245.1	---				
Metals Dig.-HNO3/TCLP	---				1/23/200	3005a	---				
pH	8.2	pH units			1/23/200	9045	---	0	-NA-	-NA-	-NA-
TCLP extraction-ABN/metals	---				1/22/200	1311	---				
TCLP extraction-ZHE	---				1/22/200	1311	---				
TPH by GC (TNRCC-ext)	---				1/24/200	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TCLP-Arsenic/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.12	95.2	102.8	96.45
TCLP-Barium/ICP	<5	mg/L	5	<5	1/23/200	6010 & 200.7	---	1.53	91.18	99.25	94.23
TCLP-Cadmium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	---	2.39	99.68	105	99.73
TCLP-Chromium/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.68	98.31	105.75	98.69
TCLP-Lead/ICP	<0.2	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	J	3.09	96.28	109.2	97.3
TCLP-Mercury/CVAA	<0.04	mg/L	0.04	<0.04	1/25/200	245.5&7471	---	0	111.67	109	107.33
TCLP-Selenium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	---	2.15	84.68	108.5	87.13
TCLP-Silver/ICP	<0.2	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	---	2.64	97.66	98	97.7
Reactivity cyanide	<10	mg/Kg	10	<10	1/23/200	9010	---	0.52	103.05	104.15	106.3
Reactivity sulfide	<20	mg/Kg	20	<20	1/23/200	376.1&9030	---	3.39	105.65	95	-NA-
Extractable organics-TC	---				1/24/200	8270c	---				
TPH by GC-TX 1005	---				1/25/200	TX 1005	---				
Volatile organics-8260b/BTEX	---				1/24/200	8260b	---				
Volatile organics-TC	---				1/24/200	8260b	---				
Benzene	21100	µg/Kg	1000	<1000	1/24/200	8260b	---	4.9	87.9	97.4	90.7
Ethylbenzene	97600	µg/Kg	1000	<1000	1/24/200	8260b	---	1.8	91.3	98.4	97.5
m,p-Xylenes	297000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.5	95.6	103.1	101.9
o-Xylene	105000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.4	94.9	101.9	100.5
TCLP-1,1-Dichloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	17.4	88.6	101.8	103.6
TCLP-1,2-Dichloroethane	<200	µg/L	200	<200	1/24/200	8260b	---	1.9	92.7	91.6	89.6

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

Report Date: 1/26/200 **Page#:** 2

ALLYSYS inc.

4221 Freidrich Lane, Suite 190, Austin, TX 78744
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-003

Report #/Lab ID#: 110744
Matrix: soil

REPORT OF ANALYSIS — **QUALITY ASSURANCE DATA**[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TCLP-1,4-Dichlorobenzene	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.2	106.9	103.3	98.7
TCLP-2-Butanone (MEK)	<5000	µg/L	5000	<5000	1/24/200	8260b	---	1.7	134.8	122	117.5
TCLP-Benzene	468	µg/L	200	<200	1/24/200	8260b	---	4.9	94.6	103.2	91.2
TCLP-Carbon tetrachloride	<200	µg/L	200	<200	1/24/200	8260b	---	6.4	80.5	78.9	79.1
TCLP-Chlorobenzene	<50	µg/L	50	<50	1/24/200	8260b	---	1.1	94	94.4	91.7
TCLP-Chloroform	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.9	102.1	106.3	102.3
TCLP-Tetrachloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	4.1	84.4	86.7	86.2
TCLP-Trichloroethene	<200	µg/L	200	<200	1/24/200	8260b	---	3.8	90.7	95.6	84
TCLP-Vinyl chloride	<100	µg/L	100	<100	1/24/200	8260b	---	5.1	95.6	101.8	102
Toluene	134000	µg/Kg	1000	<1000	1/24/200	8260b	---	3.5	92.4	96.6	91
TCLP-2,4,5-Trichlorophenol	<5000	µg/L	5000	<5000	1/24/200	8270c	---	2.2	59.7	107.2	59.8
TCLP-2,4,6-Trichlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.5	52.7	103	53
TCLP-2,4-Dinitrotoluene	<100	µg/L	100	<100	1/24/200	8270c	---	1.7	56.8	105.1	59
TCLP-2-Methylphenol (o-Cresol)	<1000	µg/L	1000	<1000	1/24/200	8270c	---	4.6	54.4	109.2	56.4
TCLP-3&4-Methylphenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	7.7	107.4	111.3	55.9
TCLP Hexachlorobenzene	<100	µg/L	100	<100	1/24/200	8270c	---	0.5	58.5	105.5	59.4
TCLP-Hexachlorobutadiene	<200	µg/L	200	<200	1/24/200	8270c	---	2.8	57.5	104.3	58.7
TCLP-Hexachloroethane	<1000	µg/L	1000	<1000	1/24/200	8270c	---	1.3	54.1	104.9	54.5
TCLP-Nitrobenzene	<1000	µg/L	1000	<1000	1/24/200	8270c	---	2.9	62.6	115.5	62.7
TCLP-Pentachlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.3	54.5	109.6	59.1
TCLP-Pyridine	<1000	µg/L	1000	<1000	1/24/200	8270c	---	3.1	47.8	106.3	52.2
TPH by GC (>C10-C28)	16600	mg/Kg	5000	<5000	1/25/200	TX 1005	---	4.1	124	88.7	78.1
TPH by GC (C6-C10)	11100	mg/Kg	5000	<5000	1/25/200	TX 1005	---	2.5	103.1	82.6	73.5
TPH by GC (C6-C28)	27700	mg/Kg	5000	<5000	1/25/200	TX 1005	---	3.2	119.4	85.7	75.8

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

ANALYSYS INC.

Client: Chevron USA Products Co.
Attn: Mike Manhart
Address: 6501 Trowbridge Dr.
El Paso, Tx 79905

Phone: (915) 775-3235 **FAX:** (915) 775-3420

Report #/Lab ID#: 110744 **Report Date:** 1/26/200
Project ID: General Sampling
Sample Name: 01-003
Sample Matrix: soil
Date Received: 01/19/200 **Time:** 11:15:00
Date Sampled: 1/16/2001 **Time:** 12:45:00

Surrogate Recoveries

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qual.
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 50X	D
TCLP-1,2-Dichloroethane-d4	8260b	97.7	80-120	—
TCLP-4-Bromofluorobenzene	8260b	87.1	86-115	—
TCLP-Toluene-d8	8260b	92.3	88-110	—
Toluene-d8	8260b	none/diluted	diluted @ 50X	D
TCLP-2,4,6-Tribromophenol	8270c	55	10-123	—
TCLP-2-Fluorobiphenyl	8270c	56.3	43-116	—
TCLP-2-Fluorophenol	8270c	41.3	21-100	—
TCLP-Nitrobenzene-d5	8270c	51.9	35-114	—
TCLP-Phenol-d5	8270c	48.1	10-94	—
TCLP-Terphenyl-d14	8270c	50.4	33-141	—
p-Terphenyl	TX 1005	81.2	50-150	—

Data Qualifiers: D=Surrogates diluted and X=Surrogate recovery outside advisory recovery limits.

AnalySys Inc.

4221 Freidrich Lane, Suite 190
Austin, TX 78744-1044 • (512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.	**Report #/Lab ID#:** 110745 **Report Date:** 1/26/200
Attn: Mike Manhart	**Project ID:** General Sampling
Address: 6501 Trowbridge Dr.	**Sample Name:** 01-004
El Paso, Tx 79905	**Sample Matrix:** soil
	Date Received: 1/19/2001 **Time:** 11:15:00
Phone: (915) 775-3235 **FAX:** (915) 775-3420	**Date Sampled:** 1/16/2001 **Time:** 13:00:00

REPORT OF ANALYSIS

(See attached pages for report details)

This analytical report respectfully submitted by AnalySys, Inc. The enclosed results have been reviewed and to the best of my knowledge the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

LP ANALYSTS INC.
[illegible] Friedrich Lane, Suite 120, Austin, TX 78744
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-004

Report #/Lab ID#: 110745
Matrix: soil

REPORT OF ANALYSIS — **QUALITY ASSURANCE DATA**[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN extraction-TC	---				1/24/200	3550	---				
Ignitability	nt ign	°F			1/23/200	1010	---	0	-NA-	-NA-	-NA-
Metals Dig.-Hg/TCLP	---				1/25/200	7470&245.1	---				
Metals Dig.-HNO3/TCLP	---				1/23/200	3005a	---				
pH	8.1	pH units			1/23/200	9045	---	0	-NA-	-NA-	-NA-
TCLP extraction-ABN/metals	---				1/22/200	1311	---				
TCLP extracton-ZHE	---				1/22/200	1311	---				
TPH by GC (FNRCC-ext)	---				1/24/200	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TCLP-Arsenic/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.12	95.2	102.8	96.45
TCLP-Barium/ICP	<5	mg/L	5	<5	1/23/200	6010 & 200.7	---	1.53	91.18	99.25	94.23
TCLP-Cadmium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	---	2.39	99.68	105	99.73
TCLP-Chromium/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.68	98.31	105.75	98.69
TCLP-Lead/ICP	0.338	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	---	3.09	96.28	109.2	97.3
TCLP-Mercury/CVAA	<0.04	mg/L	0.04	<0.04	1/25/200	245.5&7471	---	0	111.67	109	107.33
TCLP-Selenium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	J	2.15	84.68	108.5	87.13
TCLP-Silver/ICP	<0.2	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	---	2.64	97.66	98	97.7
Reactivity cyanide	<10	mg/Kg	10	<10	1/23/200	9010	---	0.52	103.05	104.15	106.3
Reactivity sulfide	<20	mg/Kg	20	<20	1/23/200	376.1&9030	---	3.39	105.65	95	-NA-
Extractable organics-TC	---				1/24/200	8270c	---				
TPH by GC-TX 1005	---				1/25/200	TX 1005	---				
Volatile organics-8260b/BTEX	---				1/24/200	8260b	---				
Volatile organics-TC	---				1/24/200	8260b	---				
Benzene	24100	µg/Kg	1000	<1000	1/24/200	8260b	---	4.9	87.9	97.4	90.7
Ethylbenzene	111000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.8	91.3	98.4	97.5
m,p-Xylenes	339000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.5	95.6	103.1	101.9
o-Xylene	121000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.4	94.9	101.9	100.5
TCLP-1,1-Dichloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	17.4	88.6	101.8	103.6
TCLP-1,2-Dichloroethane	<200	µg/L	200	<200	1/24/200	8260b	---	1.9	92.7	91.6	89.6

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

LABCOR INC.
[illegible] Frederick Lane, Suite 190, Austin, TX 78744
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-004

Report #/Lab ID#: 110745
Matrix: soil

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TCLP-1,4-Dichlorobenzene	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.2	106.9	103.3	98.7
TCLP-2-Butanone (MEK)	<5000	µg/L	5000	<5000	1/24/200	8260b	---	1.7	134.8	122	117.5
TCLP-Benzene	483	µg/L	200	<200	1/24/200	8260b	---	4.9	94.6	103.2	91.2
TCLP-Carbon tetrachloride	<200	µg/L	200	<200	1/24/200	8260b	---	6.4	80.5	78.9	79.1
TCLP-Chlorobenzene	<50	µg/L	50	<50	1/24/200	8260b	---	1.1	94	94.4	91.7
TCLP-Chloroform	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.9	102.1	106.3	102.3
TCLP-Tetrachloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	4.1	84.4	86.7	86.2
TCLP-Trichloroethene	<200	µg/L	200	<200	1/24/200	8260b	---	3.8	90.7	95.6	84
TCLP-Vinyl chloride	<100	µg/L	100	<100	1/24/200	8260b	---	5.1	95.6	101.8	102
Toluene	160000	µg/Kg	1000	<1000	1/24/200	8260b	---	3.5	92.4	96.6	91
TCLP-2,4,5-Trichlorophenol	<5000	µg/L	5000	<5000	1/24/200	8270c	---	2.2	59.7	107.2	59.8
TCLP-2,4,6-Trichlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.5	52.7	103	53
TCLP-2,4-Dinitrotoluene	<100	µg/L	100	<100	1/24/200	8270c	---	1.7	56.8	105.1	59
TCLP-2-Methylphenol (o-Cresol)	<1000	µg/L	1000	<1000	1/24/200	8270c	---	4.6	54.4	109.2	56.4
TCLP-3&4-Methylphenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	7.7	107.4	111.3	55.9
TCLP-Hexachlorobenzene	<100	µg/L	100	<100	1/24/200	8270c	---	0.5	58.5	105.5	59.4
TCLP-Hexachlorobutadiene	<200	µg/L	200	<200	1/24/200	8270c	---	2.8	57.5	104.3	58.7
TCLP-Hexachloroethane	<1000	µg/L	1000	<1000	1/24/200	8270c	---	1.3	54.1	104.9	54.5
TCLP-Nitrobenzene	<1000	µg/L	1000	<1000	1/24/200	8270c	---	2.9	62.6	115.5	62.7
TCLP-Pentachlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.3	54.5	109.6	59.1
TCLP-Pyridine	<1000	µg/L	1000	<1000	1/24/200	8270c	---	3.1	47.8	106.3	52.2
TPH by GC (>C10-C28)	13300	mg/Kg	5000	<5000	1/25/200	TX 1005	---	4.1	124	88.7	78.1
TPH by GC (C6-C10)	10000	mg/Kg	5000	<5000	1/25/200	TX 1005	---	2.5	103.1	82.6	73.5
TPH by GC (C6-C28)	23300	mg/Kg	5000	<5000	1/25/200	TX 1005	---	3.2	119.4	85.7	75.8

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

LABORATORIES INC.
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-004

Report #/Lab ID#: 110745
Matrix: soil

REPORT OF ANALYSIS — **QUALITY ASSURANCE DATA[1]**

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TCLP-1,4-Dichlorobenzene	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.2	106.9	103.3	98.7
TCLP-2-Butanone (MEK)	<5000	µg/L	5000	<5000	1/24/200	8260b	---	1.7	134.8	122	117.5
TCLP-Benzene	483	µg/L	200	<200	1/24/200	8260b	---	4.9	94.6	103.2	91.2
TCLP-Carbon tetrachloride	<200	µg/L	200	<200	1/24/200	8260b	---	6.4	80.5	78.9	79.1
TCLP-Chlorobenzene	<50	µg/L	50	<50	1/24/200	8260b	---	1.1	94	94.4	91.7
TCLP-Chloroform	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.9	102.1	106.3	102.3
TCLP-Tetrachloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	4.1	84.4	86.7	86.2
TCLP-Trichloroethene	<200	µg/L	200	<200	1/24/200	8260b	---	3.8	90.7	95.6	84
TCLP-Vinyl chloride	<100	µg/L	100	<100	1/24/200	8260b	---	5.1	95.6	101.8	102
Toluene	160000	µg/Kg	1000	<1000	1/24/200	8260b	---	3.5	92.4	96.6	91
TCLP-2,4,5-Trichlorophenol	<5000	µg/L	5000	<5000	1/24/200	8270c	---	2.2	59.7	107.2	59.8
TCLP-2,4,6-Trichlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.5	52.7	103	53
TCLP-2,4-Dinitrotoluene	<100	µg/L	100	<100	1/24/200	8270c	---	1.7	56.8	105.1	59
TCLP-2-Methylphenol (o-Cresol)	<1000	µg/L	1000	<1000	1/24/200	8270c	---	4.6	54.4	109.2	56.4
TCLP-3&4-Methylphenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	7.7	107.4	111.3	55.9
TCLP-Hexachlorobenzene	<100	µg/L	100	<100	1/24/200	8270c	---	0.5	58.5	105.5	59.4
TCLP-Hexachlorobutadiene	<200	µg/L	200	<200	1/24/200	8270c	---	2.8	57.5	104.3	58.7
TCLP-Hexachloroethane	<1000	µg/L	1000	<1000	1/24/200	8270c	---	1.3	54.1	104.9	54.5
TCLP-Nitrobenzene	<1000	µg/L	1000	<1000	1/24/200	8270c	---	2.9	62.6	115.5	62.7
TCLP-Pentachlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.3	54.5	109.6	59.1
TCLP-Pyridine	<1000	µg/L	1000	<1000	1/24/200	8270c	---	3.1	47.8	106.3	52.2
TPH by GC (>C10-C28)	13300	mg/Kg	5000	<5000	1/25/200	TX 1005	---	4.1	124	88.7	78.1
TPH by GC (C6-C10)	10000	mg/Kg	5000	<5000	1/25/200	TX 1005	---	2.5	103.1	82.6	73.5
TPH by GC (C6-C28)	23300	mg/Kg	5000	<5000	1/25/200	TX 1005	---	3.2	119.4	85.7	75.8

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

AnalySys Inc.

4221 Freidrich Lane, Suite 190
Austin, TX 78744-1044 • (512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.	**Report #/Lab ID#:** 110745 **Report Date:** 1/26/200
Attn: Mike Manhart	**Project ID:** General Sampling
Address: 6501 Trowbridge Dr.	**Sample Name:** 01-004
El Paso, Tx 79905	**Sample Matrix:** soil
	Date Received: 1/19/2001 **Time:** 11:15:00
Phone: (915) 775-3235 **FAX:** (915) 775-3420	**Date Sampled:** 1/16/2001 **Time:** 13:00:00

REPORT OF ANALYSIS

(See attached pages for report details)

This analytical report respectfully submitted by AnalySys, Inc. The enclosed results have been reviewed and to the best of my knowledge the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

AnalySys Inc.

4221 Freidrich Lane, Suite 190
Austin, TX 78744-1044 • (512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.	**Report #/Lab ID#:** 110746 **Report Date:** 1/26/200
Attn: Mike Manhart	**Project ID:** General Sampling
Address: 6501 Trowbridge Dr.	**Sample Name:** 01-005
El Paso, Tx 79905	**Sample Matrix:** soil
	Date Received: 1/19/2001 **Time:** 11:15:00
Phone: (915) 775-3235 **FAX:** (915) 775-3420	**Date Sampled:** 1/16/2001 **Time:** 13:05:00

REPORT OF ANALYSIS

(See attached pages for report details)

This analytical report respectfully submitted by AnalySys, Inc. The enclosed results have been reviewed and to the best of my knowledge the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

LIBERTY STD INC.
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-005

Report #/Lab ID#: 110746
Matrix: soil

REPORT OF ANALYSIS — **QUALITY ASSURANCE DATA**[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN extraction-TC	---				1/24/200	3550	---				
Ignitability	nt ign	°F			1/23/200	1010	---	0	-NA-	-NA-	-NA-
Metals Dig.-Hg/TCLP	---				1/25/200	7470&245.1	---				
Metals Dig.-HNO3/TCLP	---				1/23/200	3005a	---				
pH	8.5	pH units			1/23/200	9045	---	0	-NA-	-NA-	-NA-
TCLP extraction-ABN/metals	---				1/22/200	1311	---				
TCLP extraction-ZHE	---				1/22/200	1311	---				
TPH by GC (TNRCC-ext)	---				1/24/200	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TCLP-Arsenic/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.12	95.2	102.8	96.45
TCLP-Barium/ICP	<5	mg/L	5	<5	1/23/200	6010 & 200.7	---	1.53	91.18	99.25	94.23
TCLP-Cadmium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	---	2.39	99.68	105	99.73
TCLP-Chromium/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.68	98.31	105.75	98.69
TCLP-Lead/ICP	<0.2	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	J	3.09	96.28	109.2	97.3
TCLP-Mercury/CVAA	<0.04	mg/L	0.04	<0.04	1/25/200	245.5&7471	---	0	111.67	109	107.33
TCLP-Selenium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	---	2.15	84.68	108.5	87.13
TCLP-Silver/ICP	<0.2	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	---	2.64	97.66	98	97.7
Reactivity cyanide	<10	mg/Kg	10	<10	1/23/200	9010	---	0.52	103.05	104.15	106.3
Reactivity sulfide	<20	mg/Kg	20	<20	1/23/200	376.1&9030	---	3.39	105.65	95	-NA-
Extractable organics-TC	---				1/24/200	8270c	---				
TPH by GC-TX 1005	---				1/25/200	TX 1005	---				
Volatile organics-8260b/BTEX	---				1/24/200	8260b	---				
Volatile organics-TC	---				1/24/200	8260b	---				
Benzene	23700	µg/Kg	1000	<1000	1/24/200	8260b	---	4.9	87.9	97.4	90.7
Ethylbenzene	95500	µg/Kg	1000	<1000	1/24/200	8260b	---	1.8	91.3	98.4	97.5
m,p-Xylenes	289000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.5	95.6	103.1	101.9
o-Xylene	101000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.4	94.9	101.9	100.5
TCLP-1,1-Dichloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	17.4	88.6	101.8	103.6
TCLP-1,2-Dichloroethane	<200	µg/L	200	<200	1/24/200	8260b	---	1.9	92.7	91.6	89.6

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

LABCO Inc.
[illegible] Lane, Suite 150, Austin, TX 78744
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-005

Report #/Lab ID#: 110746
Matrix: soil

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TCLP-1,4-Dichlorobenzene	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.2	106.9	103.3	98.7
TCLP 2-Butanone (MEK)	<5000	µg/L	5000	<5000	1/24/200	8260b	---	1.7	134.8	122	117.5
TCLP-Benzene	376	µg/L	200	<200	1/24/200	8260b	---	4.9	94.6	103.2	91.2
TCLP-Carbon tetrachloride	<200	µg/L	200	<200	1/24/200	8260b	---	6.4	80.5	78.9	79.1
TCLP-Chlorobenzene	<50	µg/L	50	<50	1/24/200	8260b	---	1.1	94	94.4	91.7
TCLP-Chloroform	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.9	102.1	106.3	102.3
TCLP-Tetrachloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	4.1	84.4	86.7	86.2
TCLP-Trichloroethene	<200	µg/L	200	<200	1/24/200	8260b	---	3.8	90.7	95.6	84
TCLP-Vinyl chloride	<100	µg/L	100	<100	1/24/200	8260b	---	5.1	95.6	101.8	102
Toluene	149000	µg/Kg	1000	<1000	1/24/200	8260b	---	3.5	92.4	96.6	91
TCLP-2,4,5-Trichlorophenol	<5000	µg/L	5000	<5000	1/24/200	8270c	---	2.2	59.7	107.2	59.8
TCLP-2,4,6-Trichlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.5	52.7	103	53
TCLP-2,4-Dinitrotoluene	<100	µg/L	100	<100	1/24/200	8270c	---	1.7	56.8	105.1	59
TCLP-2-Methylphenol (o-Cresol)	<1000	µg/L	1000	<1000	1/24/200	8270c	---	4.6	54.4	109.2	56.4
TCLP-3&4-Methylphenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	7.7	107.4	111.3	55.9
TCLP-Hexachlorobenzene	<100	µg/L	100	<100	1/24/200	8270c	---	0.5	58.5	105.5	59.4
TCLP-Hexachlorobutadiene	<200	µg/L	200	<200	1/24/200	8270c	---	2.8	57.5	104.3	58.7
TCLP-Hexachloroethane	<1000	µg/L	1000	<1000	1/24/200	8270c	---	1.3	54.1	104.9	54.5
TCLP-Nitrobenzene	<1000	µg/L	1000	<1000	1/24/200	8270c	---	2.9	62.6	115.5	62.7
TCLP-Pentachlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.3	54.5	109.6	59.1
TCLP-Pyridine	<1000	µg/L	1000	<1000	1/24/200	8270c	---	3.1	47.8	106.3	52.2
TPH by GC (>C10-C28)	8610	mg/Kg	5000	<5000	1/25/200	TX 1005	---	4.1	124	88.7	78.1
TPH by GC (C6-C10)	8980	mg/Kg	5000	<5000	1/25/200	TX 1005	---	2.5	103.1	82.6	73.5
TPH by GC (C6-C28)	17500	mg/Kg	5000	<5000	1/25/200	TX 1005	---	3.2	119.4	85.7	75.8

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

ANALYSYS INC.

Client: Chevron USA Products Co.
Attn: Mike Manhart
Address: 6501 Trowbridge Dr.
El Paso, Tx 79905

Phone: (915) 775-3235 **FAX:** (915) 775-3420

Report #/Lab ID#: 110746 **Report Date:** 1/26/200
Project ID: General Sampling
Sample Name: 01-005
Sample Matrix: soil
Date Received: 01/19/200 **Time:** 11:15:00
Date Sampled: 1/16/2001 **Time:** 13:05:00

Surrogate Recoveries

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qual.
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 50X	D
TCLP-1,2-Dichloroethane-d4	8260b	100.5	80-120	---
TCLP-4-Bromofluorobenzene	8260b	92.7	86-115	---
TCLP-Toluene-d8	8260b	89.6	88-110	---
Toluene-d8	8260b	none/diluted	diluted @ 50X	D
TCLP-2,4,6-Tribromophenol	8270c	61.2	10-123	---
TCLP-2-Fluorobiphenyl	8270c	62.9	43-116	---
TCLP-2-Fluorophenol	8270c	51.7	21-100	---
TCLP-Nitrobenzene-d5	8270c	64	35-114	---
TCLP-Phenol-d5	8270c	58.6	10-94	---
TCLP-Terphenyl-d14	8270c	51.9	33-141	---
p-Terphenyl	TX 1005	77.9	50-150	---

Data Qualifiersare D=Surrogates diluted and X=Surrogate recovery outside advisory recovery limits.

AnalySys Inc.

4221 Freidrich Lane, Suite 190
Austin, TX 78744-1044 • (512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.	**Report #/Lab ID#:** 110748 **Report Date:** 1/26/200
Attn: Mike Manhart	**Project ID:** General Sampling
Address: 6501 Trowbridge Dr.	**Sample Name:** 01-007
El Paso, Tx 79905	**Sample Matrix:** soil
	Date Received: 1/19/2001 **Time:** 11:15:00
Phone: (915) 775-3235 **FAX:** (915) 775-3420	**Date Sampled:** 1/16/2001 **Time:** 13:20:00

REPORT OF ANALYSIS

(See attached pages for report details)

This analytical report respectfully submitted by AnalySys, Inc. The enclosed results have been reviewed and to the best of my knowledge the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

LABCHEM Inc.
[illegible] Lake, Suite 190, Austin, TX 78744
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-007

Report #/Lab ID#: 110746
Matrix: soil

REPORT OF ANALYSIS — **QUALITY ASSURANCE DATA[1]**

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
A/BN extracton-TC	---				1/24/200	3550	---				
Ignitability	nt ign	°F			1/23/200	1010	---	0	-NA-	-NA-	-NA-
Metals Dig.-Hg/TCLP	---				1/25/200	7470&245.1	---				
Metals Dig.-HNO3/TCLP	---				1/23/200	3005a	---				
pH	8.3	pH units			1/23/200	9045	---	0	-NA-	-NA-	-NA-
TCLP extraction-ABN/metals	---				1/22/200	1311	---				
TCLP extraction-ZHE	---				1/22/200	1311	---				
TPH by GC (TNRCC-ext)	---				1/24/200	TX 1005	---	-NA-	-NA-	-NA-	-NA-
TCLP-Arsenic/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.12	95.2	102.8	96.45
TCLP-Barium/ICP	<5	mg/L	5	<5	1/23/200	6010 & 200.7	---	1.53	91.18	99.25	94.23
TCLP-Cadmium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	---	2.39	99.68	105	99.73
TCLP-Chromium/ICP	<0.5	mg/L	0.5	<0.5	1/23/200	6010 & 200.7	---	2.68	98.31	105.75	98.69
TCLP-Lead/ICP	<0.2	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	J	3.09	96.28	109.2	97.3
TCLP-Mercury/CVAA	<0.04	mg/L	0.04	<0.04	1/25/200	245.5&7471	---	0	111.67	109	107.33
TCLP-Selenium/ICP	<0.1	mg/L	0.1	<0.1	1/23/200	6010 & 200.7	---	2.15	84.68	108.5	87.13
TCLP-Silver/ICP	<0.2	mg/L	0.2	<0.2	1/23/200	6010 & 200.7	---	2.64	97.66	98	97.7
Reactivity cyanide	<10	mg/Kg	10	<10	1/23/200	9010	---	0.52	103.05	104.15	106.3
Reactivity sulfide	<20	mg/Kg	20	<20	1/23/200	376.1&9030	---	3.39	105.65	95	-NA-
Extractable organics-TC	---				1/24/200	8270c	---				
TPH by GC-TX 1005	---				1/25/200	TX 1005	---				
Volatile organics-8260b/BTEX	---				1/24/200	8260b	---				
Volatile organics-TC	---				1/24/200	8260b	---				
Benzene	17100	µg/Kg	1000	<1000	1/24/200	8260b	---	3	109.8	95	92.7
Ethylbenzene	92300	µg/Kg	1000	<1000	1/24/200	8260b	---	0.8	113	107.8	106
m,p-Xylenes	284000	µg/Kg	1000	<1000	1/24/200	8260b	---	0.9	119.3	111.6	110.2
o-Xylene	101000	µg/Kg	1000	<1000	1/24/200	8260b	---	1.5	117.4	109.7	108.6
TCLP-1,1-Dichloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	17.4	88.6	101.8	103.6
TCLP-1,2-Dichloroethane	<200	µg/L	200	<200	1/24/200	8260b	---	1.9	92.7	91.6	89.6

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

inc.
& 2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Chevron USA Products Co.
Attn: Mike Manhart

Project ID: General Sampling
Sample Name: 01-007

Report #/Lab ID#: 110748
Matrix: soil

REPORT OF ANALYSIS — **QUALITY ASSURANCE DATA**[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TCLP-1,4-Dichlorobenzene	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.2	106.9	103.3	98.7
TCLP-2-Butanone (MEK)	<5000	µg/L	5000	<5000	1/24/200	8260b	---	1.7	134.8	122	117.5
TCLP-Benzene	462	µg/L	200	<200	1/24/200	8260b	---	4.9	94.6	103.2	91.2
TCLP-Carbon tetrachloride	<200	µg/L	200	<200	1/24/200	8260b	---	6.4	80.5	78.9	79.1
TCLP-Chlorobenzene	<50	µg/L	50	<50	1/24/200	8260b	---	1.1	94	94.4	91.7
TCLP-Chloroform	<1000	µg/L	1000	<1000	1/24/200	8260b	---	0.9	102.1	106.3	102.3
TCLP-Tetrachloroethene	<500	µg/L	500	<500	1/24/200	8260b	---	4.1	84.4	86.7	86.2
TCLP-Trichloroethene	<200	µg/L	200	<200	1/24/200	8260b	---	3.8	90.7	95.6	84
TCLP-Vinyl chloride	<100	µg/L	100	<100	1/24/200	8260b	---	5.1	95.6	101.8	102
Toluene	129000	µg/Kg	1000	<1000	1/24/200	8260b	---	3	106.9	94	93.3
TCLP-2,4,5-Trichlorophenol	<5000	µg/L	5000	<5000	1/24/200	8270c	---	2.2	59.7	107.2	59.8
TCLP-2,4,6-Trichlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.5	52.7	103	53
TCLP-2,4-Dinitrotoluene	<100	µg/L	100	<100	1/24/200	8270c	---	1.7	56.8	105.1	59
TCLP-2-Methylphenol (o-Cresol)	<1000	µg/L	1000	<1000	1/24/200	8270c	---	4.6	54.4	109.2	56.4
TCLP-3&4-Methylphenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	7.7	107.4	111.3	55.9
TCLP-Hexachlorobenzene	<100	µg/L	100	<100	1/24/200	8270c	---	0.5	58.5	105.5	59.4
TCLP-Hexachlorobutadiene	<200	µg/L	200	<200	1/24/200	8270c	---	2.8	57.5	104.3	58.7
TCLP-Hexachloroethane	<1000	µg/L	1000	<1000	1/24/200	8270c	---	1.3	54.1	104.9	54.5
TCLP-Nitrobenzene	<1000	µg/L	1000	<1000	1/24/200	8270c	---	2.9	62.6	115.5	62.7
TCLP-Pentachlorophenol	<1000	µg/L	1000	<1000	1/24/200	8270c	---	0.3	54.5	109.6	59.1
TCLP-Pyridine	<1000	µg/L	1000	<1000	1/24/200	8270c	---	3.1	47.8	106.3	52.2
TPH by GC (>C10-C28)	13400	mg/Kg	5000	<5000	1/25/200	TX 1005	---	4.1	124	88.7	78.1
TPH by GC (C6-C10)	9660	mg/Kg	5000	<5000	1/25/200	TX 1005	---	2.5	103.1	82.6	73.5
TPH by GC (C6-C28)	23000	mg/Kg	5000	<5000	1/25/200	TX 1005	---	3.2	119.4	85.7	75.8

1. Quality assurance data reported is for the lot analyzed which included this sample. 2. Precision (Prec.) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Lab Control Sample (LCS) results expressed as the percent (%) recovery of analyte from a known standard. 5. Reporting Quantitation Limit. The Practical Quantitation Limit (PQL) or the Method Detection Limit (MDL) reported for the analyte. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits, adjusted for any required dilutions. 7. Data Qualifiers are: J = analyte potentially detected between the RQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery outside advisory limits. S2 = Post digestion spike (PDS) recovery outside advisory limits. S3 = MS and/or MSD and PDS recovery outside advisory limits. P = Precision higher than advisory limit. M = Matrix interference.

ANALYSYS INC.

Client: Chevron USA Products Co.
Attn: Mike Manhart
Address: 6501 Trowbridge Dr.
El Paso, Tx 79905

Phone: (915) 775-3235 **FAX:** (915) 775-3420

Report #/Lab ID#: 110748 **Report Date:** 1/26/200
Project ID: General Sampling
Sample Name: 01-007
Sample Matrix: soil
Date Received: 01/19/200 **Time:** 11:15:00
Date Sampled: 1/16/2001 **Time:** 13:20:00

Surrogate Recoveries

Surrogate Compound	Method	Recovery	Recovery Limits	Data Qual.
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 50X	D
TCLP-1,2-Dichloroethane-d4	8260b	99.9	80-120	—
TCLP-4-Bromofluorobenzene	8260b	88.4	86-115	—
TCLP-Toluene-d8	8260b	92.6	88-110	—
Toluene-d8	8260b	none/diluted	diluted @ 50X	D
TCLP-2,4,6-Tribromophenol	8270c	60.6	10-123	—
TCLP-2-Fluorobiphenyl	8270c	60	43-116	—
TCLP-2-Fluorophenol	8270c	44.7	21-100	—
TCLP-Nitrobenzene-d5	8270c	56.9	35-114	—
TCLP-Phenol-d5	8270c	56.6	10-94	—
TCLP-Terphenyl-d14	8270c	52.9	33-141	—
p-Terphenyl	TX 1005	82.3	50-150	—

Data Qualifiersare D=Surrogates diluted and X=Surrogate recovery outside advisory recovery limits.

Hart Lawson Associates
234 North Central Avenue, Suite 600
Phoenix, Arizona 85004
602/252-4105 • FAX 602/252-4162

CHAIN OF CUSTODY FORM

Lab: Analysys

Samplers: Val Morales, Son Harrison

Job Number: General Sampling

Name/Location: Chevron Red E/Paso TX

Project Manager: M Manhart

Recorder: (Signature Required)

SOURCE CODE	MATRIX: Water	MATRIX: Soil	# CONTAINERS & PRESERV.: H_2SO_4	HNO3	HCL	Ice	HLA SAMPLE NUMBER	LAB NUMBER	DATE Yr	Mo	Day	Time	STATION DESCRIPTION/ NOTES	EPA 601/8010	EPA 602/8020	EPA 502.2	EPA 300.0	EPA 410.4	EPA 8020/BTEX	EPA 418.1AZ	TCLP Metals (D004-D011)	TCLP Volatiles	TCLP Semi-Volatiles	TPH	Corrosive Soil PH	Total BTEX
49		X				X	01-003		01	01	16	1245	Rot# 993 110744				X	X			X	X	X	X	X	X
49		X				X	01-004		01	01	16	1300	Rot# 962 110745				X	X			X	X	X	X	X	X
49		X				X	01-005		01	01	16	1305	Rot# 1025 110746				X	X			X	X	X	X	X	X
49		X				X	01-006		01	01	16	1310	Rot# 947 110747				X	X			X	X	X	X	X	X
		X				X	01-007		01	01	16	1320	Rot# 926 110748				X	X			X	X	X	X	X	X

MISCELLANEOUS

CHAIN OF CUSTODY RECORD

RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
	M. Pena	19 Apr 01 1115
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME
RELINQUISHED BY: (Signature)	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE CONDITION WHEN RECEIVED BY THE LABORATORY
Received cold: Y/N Received Intact: Y/N

T = 2.1

Laboratory Copy White | HLA Copy Yellow | Agency Pink | Field or Office Copy Goldenrod

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

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

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator BJ Services Co
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs District
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State NM
7. Location of Material (Street Address or ULSTR) 2708 W. County Rd	Hobbs, NM 88240

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

6-8 drums & drill cuttings

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

SIGNATURE: _____ TITLE: General Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J. Thole TITLE: Environmental Geologist DATE: 3-26-01

200 Sunset Drive, Suite D
El Paso, Texas 79922
Ph: (915) 842-9911
Fx: (915) 842-9933
rhinoabq@hotmail.com

RHINO Solid Waste, Inc.

To: Martyne J. Kieling Fax: (505) 476 - 3488

From: Daniele Berardelli Date: 3/26/01

Re: BJ Services Pages: 2

CC:

☐ Urgent ☑ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Notes:

RHINO
Environmental Services, Inc.
P.O. Box 25547 • Albuquerque, New Mexico 87125
Phone (505) 247-4646 • Fax (505) 797-4874

March 7, 2001

Ms. Martyne J. Kieling
New Mexico Energy, Minerals, and Natural Resources Department
OIL CONSERVATION DIVISION - ENVIRONMENTAL BUREAU
1220 Saint Francis Drive
Santa Fe, New Mexico 87505
Ph: (505) 476-3488
Fx: (505) 476-3462

Re: C-138 for Previously Accepted Soils
BJ Services, Hobbs District

Dear Ms. Kieling:

BJ Services Company has asked us to dispose of more drill cuttings associated with their Hobbs facility on West County Road. I have attached the previous paperwork hoping this documentation will satisfy approval requirements. Please let me know if what I have enclosed is adequate.

I appreciate your time and consideration. Please call me if you require additional information.

Sincerely,

Daniele Berardelli
Rhino Oilfield Disposal, Inc.
200 Sunset Drive, Ste. D
El Paso, Texas 79922
(915) 842-9911

strict I - (505) 393-6161
O. Box 1980
bbs, NM 88241-1980
strict II - (505) 748-1283
S. First
esia, NM 88210
strict III - (505) 334-6178
00 Rio Brazos Road
tec, NM 87410
strict IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

RECEIVED
MAR 0 2 2000
Environmental Bureau
Oil Conservation Division

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator BJ Services Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs District
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2708 W. County Rd	Hobbs, NM 88240

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

5 - 10 drums of drill cuttings

Daniele,
Please Direct the C-138 Through our District office Donna will then Forward them to Santa Fe.
Martyne 03-8-00

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

SIGNATURE: _____ TITLE: General Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyne J. Kieling TITLE: Environmental Geologist DATE: 03-08-00

Rick N. Johnson, REM
Environmental Specialist
(281) 357-2573 FAX (281) 357-2585

February 29, 2000

Daniele Berardelli
P.O. Box 4232
Anthony, NM 88021

Ms. Berardelli:

The waste soil cuttings from MW-12D are the same soil as the last haul to your facility from when the field waste tank system was removed by Rhino. Nothing has changed about the soil around this unit. Please expedite its disposal. Thanks!

Sincerely,

Rick N. Johnson, REM
Environmental Specialist

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: BJ Services Co. USA 11211 FM 2920 Tomball, TX 77375	3. Location (Street Address &/or ULSTR): 2708 W. County Rd Hobbs, NM 88240
2. Originating Site (Name): BJ Services Co., USA Hobbs District	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste 4yd³ generated from a leak of diesel motor fuel AST.

I, Richard Rexroad representative for: Brown + Caldwell agent for BJ Services Co., USA do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

✓ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
___ RCRA TCLP Analysis
___ Chain of Custody
✓ Other (Description) Please see attached analysis

Name (Signature): Richard Rexroad

Printed Name: Richard Rexroad

Title: Principal Geologist

Date: March 21, 2000

Attach list of originating sites as appropriate.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Aqueous

Reported on: 07/14/99
Analyzed on: 07/03/99
Analyst: ELS

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Bicarbonate, as CaCO3
Method SM 4500-CO2D **

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration mg/L	Duplicate Sample mg/L	RPD	RPD Max.
9907124-04H	200	204	2.0	5

-9907207

Samples in batch:

9907122-01H 9907124-04H

COMMENTS:

1415 Louisiana, Suite 2500
Houston, TX 77002

Tel: (713) 759-0999
Fax: (713) 308-3886

BROWN AND CALDWELL

Environmental Engineering & Consulting

February 26, 2001

Ms. Danielle Berardelli
Rhino Environmental Services
200 Sunset Drive
Suite D
El Paso, Texas 79922

Subject: Drummed Soil Cuttings
Monitor Wells MW-14 and MW-15 Installations
BJ Services Company, U.S.A., Hobbs, New Mexico Facility

Dear Ms. Berardelli:

The purpose of this correspondence is to confirm our conversation of today regarding the drummed soil cuttings from the installation of Monitor Wells MW-14 and MW-15 at the subject facility.

Monitor Wells MW-14 and MW-15 were installed at the request of the New Mexico Oil Conservation Division to investigate groundwater impact resulting from the operation by BJ Services Company, U.S.A. of former field waste tanks at the facility.

Rhino Environmental Services has previously disposed of drummed soil cuttings generated during installation of Monitor Wells MW-11A, MW-12, and/or MW-12D at the subject facility. Monitor Wells MW-11A, MW-12, and MW-12D were also installed at the request of the New Mexico Oil Conservation Division to investigate groundwater impact resulting from the operation by BJ Services Company, U.S.A. of the same former field waste tanks at the facility as pertain to Monitor Wells MW-14 and MW-15.

The attached laboratory analytical report contains the results of total petroleum hydrocarbons and RCRA metals analyses of a composite sample of the soil cuttings from Monitor Wells MW-14 and MW-15.

If you require additional information, please contact me at 713-646-1129.

Sincerely,

BROWN AND CALDWELL

Richard L. Rexroad, P.G.
Project Manager

Attachment (1)

cc: File: 12832.022 (2.0)

P:\Wp\BJSERV\12832\0741.doc

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Brown & Caldwell

Certificate of Analysis Number:

01010371

Report To:

Brown & Caldwell
Rick Rexroad
1415 Louisiana
Suite 2500
Houston
TX
77002-
ph: (713) 759-0999 fax: (713) 308-3886

Project Name:	BJ Service #12832-022
Site:	Hobbs, NM
Site Address:	
PO Number:	
State:	New Mexico
State Cert. No.:	
Date Reported:	1/29/01

This Report Contains A Total Of 32 Pages

Excluding This Page

And

Chain Of Custody

1/29/01

Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:
Brown & Caldwell

Certificate of Analysis Number:
01010371

Report To:		Project Name:	BJ Service #12832-022
Brown & Caldwell		Site:	Hobbs, NM
Rick Rexroad		Site Address:	
1415 Louisiana			
Suite 2500		PO Number:	
Houston			
TX		State:	New Mexico
77002-		State Cert. No.:	
ph: (713) 759-0999	fax: (713) 308-3886	Date Reported:	1/29/01

A trip blank was received with the samples but was not written on the chain of custody [SPL ID: 01010371-04). Per our telephone conversation on January 17, 2001, SPL analyzed the trip blank for BTEX/ TPH-GRO by SW846 methods 8021/8015.

As per your request on January 17, 2001, the laboratory analyzed your sample "Soil Cuttings, MW-14, MW-15" for Gasoline Range Organics, Diesel Range Organics, and RCRA Metals.

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Your sample ID "MW-15" (SPL ID: 01010371-01) was randomly selected for use in SPL's quality control program for the Total Metals analysis by SW846 Method 6010B. The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries were outside of the advisable quality control limits for Cadmium and Chromium (Batch ID: 9679) due to matrix interference. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Sonia West

West, Sonia
Senior Project Manager

1/30/01
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Brown & Caldwell

Certificate of Analysis Number:

01010371

Report To: Brown & Caldwell
Rick Rexroad
1415 Louisiana
Suite 2500
Houston
TX
77002-
ph: (713) 759-0999 fax: (713) 308-3886

Fax To: Brown & Caldwell
Rick Rexroad fax : (713) 308-3886

Project Name: BJ Service #12832-022
Site: Hobbs, NM
Site Address:
PO Number:
State: New Mexico
State Cert. No.:
Date Reported: 1/29/01

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-15	01010371-01	Water	1/14/01 2:00:00 PM	1/16/01 10:00:00 AM	085943	☐
MW-14	01010371-02	Water	1/14/01 4:00:00 PM	1/16/01 10:00:00 AM	085942	☐
MW-14	01010371-02	Water	1/14/01 4:00:00 PM	1/16/01 10:00:00 AM	085943	☐
Soil Cuttings, MW-14, MW-15	01010371-03	Solid	1/14/01 3:00:00 PM	1/16/01 10:00:00 AM	085943	☐
Trip Blank 1/4/01	01010371-04	Water	1/14/01	1/16/01 10:00:00 AM	085943	☐

Sonia West
West, Sonia
Senior Project Manager

1/29/01
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID MW-15 **Collected:** 1/14/01 2:00:00 **SPL Sample ID:** 01010371-01

Site: Hobbs, NM

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
ALKALINITY, BICARBONATE				MCL	M2320 B		Units: mg/L		
Alkalinity, Bicarbonate	250		2		1		01/17/01 12:00	SN	533556
ALKALINITY, CARBONATE				MCL	M2320 B		Units: mg/L		
Alkalinity, Carbonate	ND		2		1		01/17/01 12:00	SN	533579
CHLORIDE, TOTAL				MCL	E325.3		Units: mg/L		
Chloride	219		5		5		01/18/01 14:30	CV	536141
DIESEL RANGE ORGANICS				MCL	SW8015B		Units: mg/L		
Diesel Range Organics	ND		0.2		1		01/20/01 6:55	AM	538060
Surr: n-Pentacosane	76.4	%	18-120		1		01/20/01 6:55	AM	538060

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:27	KL

FLUORIDE-IC				MCL	E300		Units: mg/L		
Fluoride	1.2		0.1		1		01/16/01 11:23	KM	532528
GASOLINE RANGE ORGANICS				MCL	SW8015B		Units: mg/L		
Gasoline Range Organics	ND		0.1		1		01/25/01 3:42	D_R	541375
Surr: 1,4-Difluorobenzene	96.3	%	74-121		1		01/25/01 3:42	D_R	541375
Surr: 4-Bromofluorobenzene	103	%	55-150		1		01/25/01 3:42	D_R	541375
MERCURY, TOTAL				MCL	SW7470A		Units: mg/L		
Mercury	ND		0.0002		1		01/23/01 11:11	R_T	539186

Prep Method	Prep Date	Prep Initials
SW7470A	01/23/2001 9:00	R_T

METALS BY METHOD 6010B, TOTAL				MCL	SW6010B		Units: mg/L		
Arsenic	ND		0.005		1		01/20/01 1:36	EG	537003
Lead	ND		0.005		1		01/20/01 1:36	EG	537003
Selenium	0.00523		0.005		1		01/20/01 1:36	EG	537003
Barium	0.073		0.005		1		01/17/01 19:40	E_B	534402
Cadmium	ND		0.005		1		01/17/01 19:40	E_B	534402
Calcium	150		0.1		1		01/17/01 19:40	E_B	534402
Chromium	ND		0.01		1		01/17/01 19:40	E_B	534402
Magnesium	28.3		0.1		1		01/17/01 19:40	E_B	534402
Potassium	4.59		2		1		01/17/01 19:40	E_B	534402
Silver	ND		0.01		1		01/17/01 19:40	E_B	534402
Sodium	108		0.5		1		01/17/01 19:40	E_B	534402

Prep Method	Prep Date	Prep Initials
SW3010A	01/19/2001 9:55	R_T
SW3010A	01/17/2001 9:00	R_T

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID MW-15 **Collected:** 1/14/01 2:00:00 **SPL Sample ID:** 01010371-01

Site: Hobbs, NM

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
NITROGEN, NITRATE (AS N)				**MCL**		**E300**	**Units: mg/L**		
Nitrogen, Nitrate (As N)	4.88		0.1		1		01/16/01 11:23	KM	532518
POLYNUCLEAR AROMATIC HYDROCARBONS				**MCL**		**SW8310**	**Units: ug/L**		
Acenaphthene	ND		0.1		1		01/23/01 17:31	KA	545133
Acenaphthylene	ND		0.1		1		01/23/01 17:31	KA	545133
Anthracene	ND		0.1		1		01/23/01 17:31	KA	545133
Benz(a)anthracene	ND		0.1		1		01/23/01 17:31	KA	545133
Benzo(a)pyrene	ND		0.1		1		01/23/01 17:31	KA	545133
Benzo(b)fluoranthene	ND		0.1		1		01/23/01 17:31	KA	545133
Benzo(g,h,i)perylene	ND		0.1		1		01/23/01 17:31	KA	545133
Benzo(k)fluoranthene	ND		0.1		1		01/23/01 17:31	KA	545133
Chrysene	ND		0.1		1		01/23/01 17:31	KA	545133
Dibenzo(a,h)anthracene	ND		0.1		1		01/23/01 17:31	KA	545133
Fluoranthene	ND		0.1		1		01/23/01 17:31	KA	545133
Fluorene	ND		0.1		1		01/23/01 17:31	KA	545133
Indeno(1,2,3-cd)pyrene	ND		0.1		1		01/23/01 17:31	KA	545133
Naphthalene	ND		0.1		1		01/23/01 17:31	KA	545133
Phenanthrene	ND		0.1		1		01/23/01 17:31	KA	545133
Pyrene	ND		0.1		1		01/23/01 17:31	KA	545133
Surr: 1-Fluoronaphthalene	51.1	%	15-96		1		01/23/01 17:31	KA	545133
Surr: Phenanthrene-d10	66.8	%	33-108		1		01/23/01 17:31	KA	545133

Prep Method	Prep Date	Prep Initials
SW3510B	01/18/2001 13:00	KL

PURGEABLE AROMATICS				**MCL**		**SW8021B**	**Units: ug/L**		
Benzene	ND		1		1		01/25/01 3:42	D_R	541306
Ethylbenzene	ND		1		1		01/25/01 3:42	D_R	541306
Toluene	ND		1		1		01/25/01 3:42	D_R	541306
Xylenes,Total	ND		1		1		01/25/01 3:42	D_R	541306
Surr: 1,4-Difluorobenzene	96.5	%	72-137		1		01/25/01 3:42	D_R	541306
Surr: 4-Bromofluorobenzene	93.8	%	48-156		1		01/25/01 3:42	D_R	541306
SULFATE				**MCL**		**E300**	**Units: mg/L**		
Sulfate	130		4		20		01/16/01 11:23	KM	532538

Qualifiers:

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Client Sample ID MW-14 **Collected:** 1/14/01 4:00:00 **SPL Sample ID:** 01010371-02

Site: Hobbs, NM

Analyses/Method	Result		Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
ALKALINITY, BICARBONATE				MCL	M2320 B	Units: mg/L		
Alkalinity, Bicarbonate	374		2	1		01/17/01 12:00	SN	533558
ALKALINITY, CARBONATE				MCL	M2320 B	Units: mg/L		
Alkalinity, Carbonate	ND		2	1		01/17/01 12:00	SN	533581
CHLORIDE, TOTAL				MCL	E325.3	Units: mg/L		
Chloride	368		5	5		01/18/01 14:30	CV	536144
DIESEL RANGE ORGANICS				MCL	SW8015B	Units: mg/L		
Diesel Range Organics	ND		0.2	1		01/20/01 10:48	AM	538063
Surr: n-Pentacosane	79.0	%	18-120	1		01/20/01 10:48	AM	538063

Prep Method	Prep Date	Prep Initials
SW3510B	01/17/2001 13:27	KL

FLUORIDE-IC				MCL	E300	Units: mg/L		
Fluoride	3.5		0.1	1		01/16/01 11:23	KM	532531
GASOLINE RANGE ORGANICS				MCL	SW8015B	Units: mg/L		
Gasoline Range Organics	ND		0.1	1		01/25/01 4:09	D_R	541376
Surr: 1,4-Difluorobenzene	96.3	%	74-121	1		01/25/01 4:09	D_R	541376
Surr: 4-Bromofluorobenzene	102	%	55-150	1		01/25/01 4:09	D_R	541376
MERCURY, TOTAL				MCL	SW7470A	Units: mg/L		
Mercury	ND		0.0002	1		01/23/01 11:11	R_T	539187

Prep Method	Prep Date	Prep Initials
SW7470A	01/23/2001 9:00	R_T

METALS BY METHOD 6010B, TOTAL				MCL	SW6010B	Units: mg/L		
Arsenic	0.00511		0.005	1		01/20/01 1:42	EG	537004
Lead	ND		0.005	1		01/20/01 1:42	EG	537004
Selenium	ND		0.005	1		01/20/01 1:42	EG	537004
Barium	0.0833		0.005	1		01/17/01 20:05	E_B	534408
Cadmium	ND		0.005	1		01/17/01 20:05	E_B	534408
Calcium	179		0.1	1		01/17/01 20:05	E_B	534408
Chromium	ND		0.01	1		01/17/01 20:05	E_B	534408
Magnesium	87.5		0.1	1		01/17/01 20:05	E_B	534408
Potassium	3.59		2	1		01/17/01 20:05	E_B	534408
Silver	ND		0.01	1		01/17/01 20:05	E_B	534408
Sodium	144		0.5	1		01/17/01 20:05	E_B	534408

Prep Method	Prep Date	Prep Initials
SW3010A	01/19/2001 9:55	R_T
SW3010A	01/17/2001 9:00	R_T

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
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Client Sample ID MW-14 **Collected:** 1/14/01 4:00:00 **SPL Sample ID:** 01010371-02

Site: Hobbs, NM

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
NITROGEN, NITRATE (AS N)				**MCL**		**E300**	**Units: mg/L**		
Nitrogen, Nitrate (As N)	4.5		0.1		1		01/16/01 11:23	KM	532521
POLYNUCLEAR AROMATIC HYDROCARBONS				**MCL**		**SW8310**	**Units: ug/L**		
Acenaphthene	ND		0.1		1		01/23/01 19:23	KA	545136
Acenaphthylene	ND		0.1		1		01/23/01 19:23	KA	545136
Anthracene	ND		0.1		1		01/23/01 19:23	KA	545136
Benz(a)anthracene	ND		0.1		1		01/23/01 19:23	KA	545136
Benzo(a)pyrene	ND		0.1		1		01/23/01 19:23	KA	545136
Benzo(b)fluoranthene	ND		0.1		1		01/23/01 19:23	KA	545136
Benzo(g,h,i)perylene	ND		0.1		1		01/23/01 19:23	KA	545136
Benzo(k)fluoranthene	ND		0.1		1		01/23/01 19:23	KA	545136
Chrysene	ND		0.1		1		01/23/01 19:23	KA	545136
Dibenzo(a,h)anthracene	ND		0.1		1		01/23/01 19:23	KA	545136
Fluoranthene	ND		0.1		1		01/23/01 19:23	KA	545136
Fluorene	ND		0.1		1		01/23/01 19:23	KA	545136
Indeno(1,2,3-cd)pyrene	ND		0.1		1		01/23/01 19:23	KA	545136
Naphthalene	ND		0.1		1		01/23/01 19:23	KA	545136
Phenanthrene	ND		0.1		1		01/23/01 19:23	KA	545136
Pyrene	ND		0.1		1		01/23/01 19:23	KA	545136
Surr: 1-Fluoronaphthalene	41.7	%	15-96		1		01/23/01 19:23	KA	545136
Surr: Phenanthrene-d10	61.1	%	33-108		1		01/23/01 19:23	KA	545136

Prep Method	Prep Date	Prep Initials
SW3510B	01/18/2001 13:00	KL

PURGEABLE AROMATICS				**MCL**		**SW8021B**	**Units: ug/L**		
Benzene	ND		1		1		01/25/01 4:09	D_R	541307
Ethylbenzene	ND		1		1		01/25/01 4:09	D_R	541307
Toluene	ND		1		1		01/25/01 4:09	D_R	541307
Xylenes,Total	ND		1		1		01/25/01 4:09	D_R	541307
Surr: 1,4-Difluorobenzene	94.6	%	72-137		1		01/25/01 4:09	D_R	541307
Surr: 4-Bromofluorobenzene	88.3	%	48-156		1		01/25/01 4:09	D_R	541307
SULFATE				**MCL**		**E300**	**Units: mg/L**		
Sulfate	180		4		20		01/16/01 11:23	KM	532541

Qualifiers:

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Client Sample ID Soil Cuttings, MW-14, MW-15 **Collected:** 1/14/01 3:00:00 **SPL Sample ID:** 01010371-03

Site: Hobbs, NM

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS				**MCL**	**SW8100M**		**Units: mg/Kg**		
Diesel Range Organics	ND		5.0		1		01/20/01 17:54	AM	536479
Surr: n-Pentacosane	91.8	%	20-154		1		01/20/01 17:54	AM	536479

Prep Method	Prep Date	Prep Initials
SW3550B	01/18/2001 12:35	J_L

GASOLINE RANGE ORGANICS				**MCL**	**SW8015B**		**Units: mg/Kg**		
Gasoline Range Organics	ND		0.10		1		01/19/01 20:02	TM	536256
Surr: 1,4-Difluorobenzene	101	%	63-122		1		01/19/01 20:02	TM	536256
Surr: 4-Bromofluorobenzene	105	%	39-150		1		01/19/01 20:02	TM	536256
MERCURY, TOTAL				**MCL**	**SW7471A**		**Units: mg/Kg**		
Mercury	ND		0.0330		1		01/22/01 13:17	R_T	538517

Prep Method	Prep Date	Prep Initials
SW7471A	01/22/2001 8:45	R_T

METALS BY METHOD 6010B, TOTAL				**MCL**	**SW6010B**		**Units: mg/Kg**		
Arsenic	1.26		0.500		1		01/18/01 18:33	EG	536357
Lead	1.69		0.500		1		01/18/01 18:33	EG	536357
Selenium	ND		0.500		1		01/18/01 18:33	EG	536357
Barium	108		0.5		1		01/18/01 18:23	E_B	535207
Cadmium	ND		0.5		1		01/18/01 18:23	E_B	535207
Chromium	11.2		1		1		01/18/01 18:23	E_B	535207
Silver	ND		1		1		01/18/01 18:23	E_B	535207

Prep Method	Prep Date	Prep Initials
SW3050B	01/18/2001 9:30	R_T

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID Trip Blank 1/4/01 **Collected:** 1/14/01 **SPL Sample ID:** 01010371-04

Site: **Hobbs, NM**

Analyses/Method	Result		Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
GASOLINE RANGE ORGANICS				**MCL**	**SW8015B**		**Units: mg/L**		
Gasoline Range Organics	ND		0.1		1		01/24/01 18:26	D_R	541368
Surr: 1,4-Difluorobenzene	96.0	%	74-121		1		01/24/01 18:26	D_R	541368
Surr: 4-Bromofluorobenzene	101	%	55-150		1		01/24/01 18:26	D_R	541368
PURGEABLE AROMATICS				**MCL**	**SW8021B**		**Units: ug/L**		
Benzene	ND		1		1		01/24/01 18:26	D_R	541296
Ethylbenzene	ND		1		1		01/24/01 18:26	D_R	541296
Toluene	ND		1		1		01/24/01 18:26	D_R	541296
Xylenes,Total	ND		1		1		01/24/01 18:26	D_R	541296
Surr: 1,4-Difluorobenzene	96.7	%	72-137		1		01/24/01 18:26	D_R	541296
Surr: 4-Bromofluorobenzene	91.8	%	48-156		1		01/24/01 18:26	D_R	541296

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Diesel Range Organics
Method: SW8015B

WorkOrder: 01010371
Lab Batch ID: 9680

Method Blank

RunID: HP_V_010119D-538054 Units: mg/L
Analysis Date: 01/19/2001 17:24 Analyst: AM
Preparation Date: 01/17/2001 13:27 Prep By: KL Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01C	MW-15
01010371-02C	MW-14

Analyte	Result	Rep Limit
Diesel Range Organics	ND	0.20
Surr: n-Pentacosane	90.2	18-120

Laboratory Control Sample (LCS)

RunID: HP_V_010119D-538055 Units: mg/L
Analysis Date: 01/19/2001 18:02 Analyst: AM
Preparation Date: 01/17/2001 13:27 Prep By: KL Method SW3510B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics	2.5	2.2	88	21	175

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010389-03
RunID: HP_V_010119D-538057 Units: mg/L
Analysis Date: 01/19/2001 20:37 Analyst: AM
Preparation Date: 01/17/2001 13:27 Prep By: KL Method SW3510B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics	ND	5	2.7	46.0	5	2.5	43.0	6.92	39	13	130

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Diesel Range Organics
Method: SW8100M

WorkOrder: 01010371
Lab Batch ID: 9700

Method Blank

RunID: HP_V_010120A-536477 Units: mg/Kg
Analysis Date: 01/20/2001 16:37 Analyst: AM
Preparation Date: 01/18/2001 12:35 Prep By: J_L Method SW3550B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-03B	Soil Cuttings, MW-14, MW-15

Analyte	Result	Rep Limit
Diesel Range Organics	ND	5.0
Surr: n-Pentacosane	95.4	20-154

Laboratory Control Sample (LCS)

RunID: HP_V_010120A-536478 Units: mg/Kg
Analysis Date: 01/20/2001 17:16 Analyst: AM
Preparation Date: 01/18/2001 12:35 Prep By: J_L Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics	83	82	99	50	150

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010371-03
RunID: HP_V_010120A-536480 Units: mg/Kg
Analysis Date: 01/20/2001 18:33 Analyst: AM
Preparation Date: 01/18/2001 12:35 Prep By: J_L Method SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics	ND	83	79	92.0	83	76	88.7	3.63	50	21	175

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Gasoline Range Organics
Method: SW8015B
WorkOrder: 01010371
Lab Batch ID: R27993

Method Blank

RunID: VARE_010119A-536254 Units: mg/Kg
Analysis Date: 01/19/2001 17:43 Analyst: TM

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-03A	Soil Cuttings, MW-14, MW-15

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	100.7	63-122
Surr: 4-Bromofluorobenzene	109.3	39-150

Laboratory Control Sample (LCS)

RunID: VARE_010119A-536251 Units: mg/Kg
Analysis Date: 01/19/2001 16:20 Analyst: TM

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.99	99	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010377-01
RunID: VARE_010119A-536252 Units: mg/Kg-dry
Analysis Date: 01/19/2001 16:48 Analyst: TM

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	475	450	94.7	475	510	108	12.7	50	26	147

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Purgeable Aromatics
Method: SW8021B

WorkOrder: 01010371
Lab Batch ID: R28307

Method Blank

RunID: HP_S_010124A-541294 Units: ug/L
Analysis Date: 01/24/2001 17:34 Analyst: D_R

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	1.0
Xylenes,Total	ND	1.0
Surr: 1,4-Difluorobenzene	94.8	72-137
Surr: 4-Bromofluorobenzene	90.3	48-156

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01A	MW-15
01010371-02A	MW-14
01010371-04A	Trip Blank 1/4/01

Laboratory Control Sample (LCS)

RunID: HP_S_010124A-541293 Units: ug/L
Analysis Date: 01/24/2001 16:15 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Benzene	50	52	105	70	130
Ethylbenzene	50	53	106	70	130
Toluene	50	53	107	70	130
Xylenes,Total	150	163	109	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010610-02
RunID: HP_S_010124A-541297 Units: ug/L
Analysis Date: 01/24/2001 18:52 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	ND	20	22	112	20	21	104	6.59	21	32	164
Ethylbenzene	ND	20	21	105	20	20	99.6	5.70	19	52	142
Toluene	ND	20	22	108	20	21	104	3.91	20	38	159
Xylenes,Total	ND	60	65	108	60	62	103	4.72	18	53	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 01010371
Lab Batch ID: R28313

Method Blank

RunID: HP_S_010124D-541367 Units: mg/L
Analysis Date: 01/24/2001 17:34 Analyst: D_R

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	95.3	74-121
Surr: 4-Bromofluorobenzene	100.7	55-150

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01A	MW-15
01010371-02A	MW-14
01010371-04A	Trip Blank 1/4/01

Laboratory Control Sample (LCS)

RunID: HP_S_010124D-541366 Units: mg/L
Analysis Date: 01/24/2001 16:41 Analyst: D_R

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	1.1	106	70	130

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010610-03
RunID: HP_S_010124D-541369 Units: mg/L
Analysis Date: 01/24/2001 19:45 Analyst: D_R

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	0.90	0.9	1.4	56.2	0.9	1.5	65.0	14.4	36	36	160

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Polynuclear Aromatic Hydrocarbons
Method: SW8310
WorkOrder: 01010371
Lab Batch ID: 9703

Method Blank

RunID: 2_010123A-545131 Units: ug/L
Analysis Date: 01/23/2001 16:17 Analyst: KA
Preparation Date: 01/18/2001 13:00 Prep By: KL Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01B	MW-15
01010371-02B	MW-14

Analyte	Result	Rep Limit
Acenaphthene	ND	0.10
Acenaphthylene	ND	0.10
Anthracene	ND	0.10
Benz(a)anthracene	ND	0.10
Benzo(a)pyrene	ND	0.10
Benzo(b)fluoranthene	ND	0.10
Benzo(g,h,i)perylene	ND	0.10
Benzo(k)fluoranthene	ND	0.10
Chrysene	ND	0.10
Dibenzo(a,h)anthracene	ND	0.10
Fluoranthene	ND	0.10
Fluorene	ND	0.10
Indeno(1,2,3-cd)pyrene	ND	0.10
Naphthalene	ND	0.10
Phenanthrene	ND	0.10
Pyrene	ND	0.10
Surr: 1-Fluoronaphthalene	62.9	15-96
Surr: Phenanthrene-d10	66.3	33-108

Laboratory Control Sample (LCS)

RunID: 2_010123A-545132 Units: ug/L
Analysis Date: 01/23/2001 16:54 Analyst: KA
Preparation Date: 01/18/2001 13:00 Prep By: KL Method SW3510B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Acenaphthene	0.5	0.35	71	23	99
Acenaphthylene	0.5	0.41	81	29	104
Anthracene	0.5	0.33	67	28	126
Benz(a)anthracene	0.5	0.39	79	52	101
Benzo(a)pyrene	0.5	0.39	78	62	97
Benzo(b)fluoranthene	0.5	0.41	83	65	101
Benzo(g,h,i)perylene	0.5	0.41	81	36	117
Benzo(k)fluoranthene	0.5	0.41	82	64	104
Chrysene	0.5	0.43	86	64	124
Dibenzo(a,h)anthracene	0.5	0.38	76	33	111
Fluoranthene	0.5	0.39	78	51	100
Fluorene	0.5	0.39	78	20	105
Indeno(1,2,3-cd)pyrene	0.5	0.43	86	57	115
Naphthalene	0.5	0.34	68	19	95
Phenanthrene	0.5	0.38	77	29	105

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Polynuclear Aromatic Hydrocarbons
Method: SW8310
WorkOrder: 01010371
Lab Batch ID: 9703

Laboratory Control Sample (LCS)

RunID: 2_010123A-545132 Units: ug/L
Analysis Date: 01/23/2001 16:54 Analyst: KA
Preparation Date: 01/18/2001 13:00 Prep By: KL Method SW3510B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Pyrene	0.5	0.38	75	55	105

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010371-01
RunID: 2_010123A-545134 Units: ug/L
Analysis Date: 01/23/2001 18:08 Analyst: KA
Preparation Date: 01/18/2001 13:00 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Acenaphthene	ND	0.5	0.19	37.2	0.5	0.21	41.8	11.5	30	1	97
Acenaphthylene	ND	0.5	0.19	37.1	0.5	0.2	39.5	6.09	30	1	122
Anthracene	ND	0.5	0.19	37.8	0.5	0.22	44.6	16.7	30	1	106
Benz(a)anthracene	ND	0.5	0.28	56.5	0.5	0.36	71.7	23.9	30	12	119
Benzo(a)pyrene	ND	0.5	0.26	52.6	0.5	0.34	67.2	24.3	30	1	105
Benzo(b)fluoranthene	ND	0.5	0.29	57.6	0.5	0.36	72.9	23.4	30	6	127
Benzo(g,h,i)perylene	ND	0.5	0.27	53.4	0.5	0.32	64.2	18.4	30	1	107
Benzo(k)fluoranthene	ND	0.5	0.28	56.4	0.5	0.36	71.2	23.2	30	5	119
Chrysene	ND	0.5	0.3	60.5	0.5	0.38	75.9	22.7	30	1	144
Dibenzo(a,h)anthracene	ND	0.5	0.24	47.9	0.5	0.28	56.8	17.0	30	1	114
Fluoranthene	ND	0.5	0.34	67.7	0.5	0.4	79.8	16.4	30	14	126
Fluorene	ND	0.5	0.25	43.8	0.5	0.27	48.9	11.0	30	1	107
Indeno(1,2,3-cd)pyrene	ND	0.5	0.29	57.7	0.5	0.36	72.5	22.8	30	1	109
Naphthalene	ND	0.5	0.19	37.9	0.5	0.2	40.2	5.84	30	1	90
Phenanthrene	ND	0.5	0.35	51.3	0.5	0.38	57.2	10.8	30	1	128
Pyrene	ND	0.5	0.35	70.6	0.5	0.44	88.9	23.0	30	1	135

Qualifiers:
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MI - Matrix Interference
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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 01010371
Lab Batch ID: 9679

Method Blank

RunID: TJA_010117B-534400 Units: mg/L
Analysis Date: 01/17/2001 19:31 Analyst: E_B
Preparation Date: 01/17/2001 9:00 Prep By: R_T Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01D	MW-15
01010371-02D	MW-14

Analyte	Result	Rep Limit
Barium	ND	0.005
Cadmium	ND	0.005
Calcium	ND	0.1
Chromium	ND	0.01
Magnesium	ND	0.1
Potassium	ND	2
Silver	ND	0.01
Sodium	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJA_010117B-534401 Units: mg/L
Analysis Date: 01/17/2001 19:35 Analyst: E_B
Preparation Date: 01/17/2001 9:00 Prep By: R_T Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	2	2	100	80	120
Cadmium	2	2.35	117	80	120
Calcium	20	20.9	104	80	120
Chromium	2	2.39	119	80	120
Magnesium	20	20.8	104	80	120
Potassium	20	20	100	80	120
Silver	2	2.01	100	80	120
Sodium	20	20.3	101	80	120

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 01010371-01
RunID: TJA_010117B-534406 Units: mg/L
Analysis Date: 01/17/2001 19:57 Analyst: E_B
Preparation Date: 01/17/2001 9:00 Prep By: Method

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Cadmium	ND	1	1.05	105	1	1.07	107	1.4	20	75	125
Chromium	ND	1	1.05	105	1	1.07	107	1.7	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 01010371
Lab Batch ID: 9679

Sample Spiked: 01010371-01
RunID: TJA_010117B-534403 Units: mg/L
Analysis Date: 01/17/2001 19:44 Analyst: E_B
Preparation Date: 01/17/2001 9:00 Prep By: Method

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	0.073	1	1.05	98.2	1	1.06	99.0	0.887	20	75	125
Cadmium	ND	1	1.32	132 *	1	1	100	26.9 *	20	75	125
Calcium	150	10	162	120	10	162	118	1.04	20	75	125
Chromium	ND	1	1.31	131 *	1	1	100	26.9 *	20	75	125
Magnesium	28	10	39.4	111	10	39	107	3.60	20	75	125
Potassium	4.6	10	14	93.7	10	14.4	98.5	4.94	20	75	125
Silver	ND	1	0.979	97.9	1	0.99	99.0	1.08	20	75	125
Sodium	110	10	121	123	10	120	120	2.35	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 01010371
Lab Batch ID: 9704

Method Blank

RunID: TJA_010118A-535193 Units: mg/Kg
Analysis Date: 01/18/2001 17:07 Analyst: E_B
Preparation Date: 01/18/2001 9:30 Prep By: R_T Method SW3050B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-03B	Soil Cuttings, MW-14, MW-15

Analyte	Result	Rep Limit
Barium	ND	0.5
Cadmium	ND	0.5
Chromium	ND	1
Silver	ND	1

Laboratory Control Sample (LCS)

RunID: TJA_010118A-535194 Units: mg/Kg
Analysis Date: 01/18/2001 17:11 Analyst: E_B
Preparation Date: 01/18/2001 9:30 Prep By: R_T Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Barium	177	156	N/A	137	218
Cadmium	64	55.3	N/A	49.2	78.7
Chromium	143	124	N/A	114	171
Silver	90	80.1	N/A	67	113

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 01010343-03
RunID: TJA_010118A-535199 Units: mg/Kg
Analysis Date: 01/18/2001 17:33 Analyst: E_B
Preparation Date: 01/18/2001 9:30 Prep By: Method

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	90.6	100	179	88.6	100	179	88.4	0.25	20	75	125
Cadmium	ND	100	88.6	88.6	100	92.1	92.1	3.9	20	75	125

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010434-03
RunID: TJA_010118A-535196 Units: mg/Kg
Analysis Date: 01/18/2001 17:20 Analyst: E_B
Preparation Date: 01/18/2001 9:30 Prep By: R_T Method SW3050B

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Metals by Method 6010B, Total **WorkOrder:** 01010371
Method: SW6010B **Lab Batch ID:** 9704

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	91	100	164	73.1 *	100	168	77.4	5.73	20	75	125
Cadmium	ND	100	75.6	75.6	100	72.7	72.7 *	4.02	20	75	125
Chromium	6.2	100	91.9	85.7	100	87.2	81.0	5.63	20	75	125
Silver	ND	100	79.1	79.1	100	75.4	75.4	4.79	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 01010371
Lab Batch ID: 9704-T

Method Blank

RunID: TJAT_010118A-536347 Units: mg/Kg
Analysis Date: 01/18/2001 17:35 Analyst: EG
Preparation Date: 01/18/2001 9:30 Prep By: R_T Method SW3050B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-03B	Soil Cuttings, MW-14, MW-15

Analyte	Result	Rep Limit
Arsenic	ND	0.5
Lead	ND	0.5
Selenium	ND	0.5

Laboratory Control Sample (LCS)

RunID: TJAT_010118A-536348 Units: mg/Kg
Analysis Date: 01/18/2001 17:41 Analyst: EG
Preparation Date: 01/18/2001 9:30 Prep By: R_T Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	185	169	N/A	138	233
Lead	119	125	N/A	90.9	148
Selenium	150	143	N/A	111	188

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010434-03
RunID: TJAT_010118A-536352 Units: mg/Kg
Analysis Date: 01/18/2001 17:57 Analyst: EG
Preparation Date: 01/18/2001 9:30 Prep By: R_T Method SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	2.6	200	167	82.2	200	163	80.4	2.30	20	75	125
Lead	7.9	100	90.6	82.7	100	86.5	78.5	5.15	20	75	125
Selenium	ND	200	170	84.8	200	164	81.9	3.44	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Metals by Method 6010B, Total
Method: SW6010B
WorkOrder: 01010371
Lab Batch ID: 9723-T

Method Blank

RunID: TJAT_010119C-536995 Units: mg/L
Analysis Date: 01/20/2001 0:43 Analyst: EG
Preparation Date: 01/19/2001 9:55 Prep By: R_T Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01D	MW-15
01010371-02D	MW-14

Analyte	Result	Rep Limit
Arsenic	ND	0.005
Lead	ND	0.005
Selenium	ND	0.005

Laboratory Control Sample (LCS)

RunID: TJAT_010119C-536996 Units: mg/L
Analysis Date: 01/20/2001 0:49 Analyst: EG
Preparation Date: 01/19/2001 9:55 Prep By: R_T Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	4	4.01	100	80	120
Lead	2	2.02	101	80	120
Selenium	4	4.14	103	80	120

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010472-01
RunID: TJAT_010119C-536998 Units: mg/L
Analysis Date: 01/20/2001 1:05 Analyst: EG
Preparation Date: 01/19/2001 9:55 Prep By: R_T Method SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	2	2.01	101	2	2.02	101	0.380	20	75	125
Lead	ND	1	0.988	98.8	1	0.989	98.9	0.101	20	75	125
Selenium	ND	2	2.07	103	2	2.08	104	0.583	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Mercury, Total
Method: SW7471A
WorkOrder: 01010371
Lab Batch ID: 9778A

Method Blank

RunID: HGL_010122A-538490 Units: mg/Kg
Analysis Date: 01/22/2001 13:17 Analyst: R_T
Preparation Date: 01/22/2001 8:45 Prep By: Method

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-03B	Soil Cuttings, MW-14, MW-15

Analyte	Result	Rep Limit
Mercury	ND	0.033

Laboratory Control Sample (LCS)

RunID: HGL_010122A-538491 Units: mg/Kg
Analysis Date: 01/22/2001 13:17 Analyst: R_T
Preparation Date: 01/22/2001 8:45 Prep By: R_T Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	3.13	2.8	N/A	1.83	4.44

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010222-12
RunID: HGL_010122A-538497 Units: mg/Kg
Analysis Date: 01/22/2001 13:17 Analyst: R_T
Preparation Date: 01/22/2001 8:45 Prep By: R_T Method SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	0.12	0.33	0.498	114	0.33	0.422	91.2	22.3 *	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Mercury, Total
Method: SW7470A
WorkOrder: 01010371
Lab Batch ID: 9794A

Method Blank

RunID: _010123B-539251 Units: mg/L
Analysis Date: 01/23/2001 11:11 Analyst: R_T
Preparation Date: 01/23/2001 9:00 Prep By: R_T Method SW7470A

Analyte	Result	Rep Limit
Mercury	ND	0.0002

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01D	MW-15
01010371-02D	MW-14

Laboratory Control Sample (LCS)

RunID: _010123B-539252 Units: mg/L
Analysis Date: 01/23/2001 11:11 Analyst: R_T
Preparation Date: 01/23/2001 9:00 Prep By: R_T Method SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.002	0.00197	98	85	115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010512-01
RunID: _010123B-539182 Units: mg/L
Analysis Date: 01/23/2001 11:11 Analyst: R_T
Preparation Date: 01/23/2001 9:00 Prep By: R_T Method SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.002	0.00188	93.8	0.002	0.00188	93.8	0	20	85	115

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Nitrogen, Nitrate (As N) **WorkOrder:** 01010371
Method: E300 **Lab Batch ID:** R27758

Method Blank

RunID: WET_010116F-532516 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01E	MW-15
01010371-02E	MW-14

Analyte	Result	Rep Limit
Nitrogen, Nitrate (As N)	ND	0.10

Laboratory Control Sample (LCS)

RunID: WET_010116F-532517 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Nitrogen, Nitrate (As N)	10	9.37	94	90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010371-01
RunID: WET_010116F-532519 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Nitrogen, Nitrate (As N)	4.9	10	14.7	98.7	10	14.7	98.7	0.0405	20	76	124

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Fluoride-IC
Method: E300
WorkOrder: 01010371
Lab Batch ID: R27759

Method Blank

RunID: WET_010116G-532526 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01E	MW-15
01010371-02E	MW-14

Analyte	Result	Rep Limit
Fluoride	ND	0.10

Laboratory Control Sample (LCS)

RunID: WET_010116G-532527 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Fluoride	10	9.7	97	90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010371-01
RunID: WET_010116G-532529 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Fluoride	1.2	10	10	93.1	10	11	95.2	2.19	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Sulfate
Method: E300
WorkOrder: 01010371
Lab Batch ID: R27760

Method Blank

RunID: WET_010116H-532536 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01E	MW-15
01010371-02E	MW-14

Analyte	Result	Rep Limit
Sulfate	ND	0.20

Laboratory Control Sample (LCS)

RunID: WET_010116H-532537 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Sulfate	10	9.9	99	90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010371-01
RunID: WET_010116H-532539 Units: mg/L
Analysis Date: 01/16/2001 11:23 Analyst: KM

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Sulfate	ND	200	330	97.8	200	330	98.4	0.649	20	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Alkalinity, Bicarbonate
Method: M2320 B
WorkOrder: 01010371
Lab Batch ID: R27812

Method Blank

RunID: WET_010117B-533553 Units: mg/L
Analysis Date: 01/17/2001 12:00 Analyst: SN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01F	MW-15
01010371-02F	MW-14

Analyte	Result	Rep Limit
Alkalinity, Bicarbonate	ND	2.0

Laboratory Control Sample (LCS)

RunID: WET_010117B-533555 Units: mg/L
Analysis Date: 01/17/2001 12:00 Analyst: SN

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Bicarbonate	23.4	24.2	104	90	110

Sample Duplicate

Original Sample: 01010371-01
RunID: WET_010117B-533556 Units: mg/L
Analysis Date: 01/17/2001 12:00 Analyst: SN

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Bicarbonate	250	250	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Alkalinity, Carbonate
Method: M2320 B
WorkOrder: 01010371
Lab Batch ID: R27814

Method Blank

RunID: WET_010117C-533576 Units: mg/L
Analysis Date: 01/17/2001 12:00 Analyst: SN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01F	MW-15
01010371-02F	MW-14

Analyte	Result	Rep Limit
Alkalinity, Carbonate	ND	2.0

Laboratory Control Sample (LCS)

RunID: WET_010117C-533578 Units: mg/L
Analysis Date: 01/17/2001 12:00 Analyst: SN

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Alkalinity, Carbonate	23.4	24.2	104	90	110

Sample Duplicate

Original Sample: 01010371-01
RunID: WET_010117C-533579 Units: mg/L
Analysis Date: 01/17/2001 12:00 Analyst: SN

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ Service #12832-022

Analysis: Chloride, Total
Method: E325.3
WorkOrder: 01010371
Lab Batch ID: R27983

Method Blank

RunID: WET_010118L-536138 Units: mg/L
Analysis Date: 01/18/2001 14:30 Analyst: CV

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
01010371-01E	MW-15
01010371-02E	MW-14

Analyte	Result	Rep Limit
Chloride	ND	1.0

Laboratory Control Sample (LCS)

RunID: WET_010118L-536140 Units: mg/L
Analysis Date: 01/18/2001 14:30 Analyst: CV

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Chloride	109	112	103	90	110

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 01010371-01
RunID: WET_010118L-536142 Units: mg/L
Analysis Date: 01/18/2001 14:30 Analyst: CV

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Chloride	ND	250	473	102	250	473	102	0	20	85	115

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

The percent recoveries for QC samples are correct as reported. Due to significant figures and rounding, the reported RPD may differ from the displayed RPD values but is correct as reported.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	01010371	Received by:	Stelly, D'Anna
Date and Time Received:	1/16/01 10:00:00 AM	Carrier name:	FedEx
Temperature:	3		

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present	☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present	☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	Not Present	☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐		

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 01010371

085943

page 1 of 2

Client Name: Brown and Caldwell
Address/Phone: 1415 Louisiana, Suite 2500
Client Contact: Rick Rexroad 713.646.1129
Project Name: BJ Services
Project Number: 12832-022
Project Location: Hobbs, NM
Invoice To: Brown and Caldwell

matrix: W=water S=soil SL=sludge O=other:
bottle: P=plastic A=amber glass G=glass V=vial
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz
pres.: 1=HCl 2=HNO3 3=H2SO4 O=other:

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	BTEX 8021, TPH 8015 G	PAH 8310	TPH 8015 D	8 RCRA Metals, Ca, Mg, K, Na	Cl, NO3, SO4, Fl	CO3, HCO3			
MW-~~14~~15	1-14-00	~~16:00~~ 14:00		✓	W	V	40ml	1	3	✓								
SEL		SEL		✓	W	A	32oz	—	2		✓							
				✓	W	A	32oz	—	2			✓						
				✓	W	P	32oz	2	1				✓					
				✓	W	P	32oz	—	1					✓				
MW-~~14~~15 SEL	1-14-00	~~16:00~~ 14:00		✓	W	P	32oz	—	1						✓			
MW-14	1-14-00	16:00 SEL		✓	W	V	40ml	1	3	✓								
MW-14	1-14-00	16:00		✓	W	A	32oz	—	2			✓						
Soil cuttings, MW-14, MW-15	1-14-00	15:00	✓		S	G	4oz	—										
Soil cuttings, MW-14, MW-15	1-14-00	15:00	✓		S	G	8oz	—										

RUSH

Client/Consultant Remarks:

Laboratory remarks: Left message 1-17-01 Soil Cuttings did not have analyses. Per R. Rexroad analyze Soil Cuttings for GRO/DRO + metals. 1-17-01 2:00pm.

Intact? ☐ Y ☐ N
Temp: 3

Requested TAT
24hr ☐ 72hr ☐
48hr ☐ Standard ☑
Other ☐ _____

Special Reporting Requirements: Standard QC ☑ Fax Results ☑ Level 3 QC ☐ Raw Data ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial): NW

1. Relinquished by/Sampler:	date	time	2. Received by:
Scott E. Fleisher	1-15-00	17:30	FED-EX
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:
			1/16/01 1000

☑ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775
☐ 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 01010371

085942

page 2 of 2

Client Name: ~~BJ Services~~ JEL Brown and Caldwell

Address/Phone: 1415 Louisiana, Ste 2500, Houston

Client Contact: Rick Rexroad 713.646.1129

Project Name: BJ Services

Project Number: 12832-022

Project Location: Hobbs, NM

Invoice To: Brown and Caldwell

matrix: W=water S=soil SL=sludge O=other:

bottle: P=plastic A=amber glass G=glass V=vial

size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz

pres.: 1=HCl 2=HNO3 3=H2SO4 O=other:

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	PAH 8310	8 RCRA metals Ca, Mg, K, Na	Cl, NO3, SO4, Fl	CO3, HCO3					
MW-14	1-14-00	16:00		✓	W	A	32oz	—	2	✓								
↓	↓	↓		✓	W	P	32oz	2	1		✓							
↓	↓	↓		✓	W	P	32oz	—	1			✓						
MW-14	1-14-00	16:00		✓	W	P	32oz	—	1				✓					

1/16

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐ Y ☐ N

Temp:

Requested TAT

24hr ☐ 72hr ☐

48hr ☐ Standard ☑

Other ☐ _____

Special Reporting Requirements: Standard QC ☑ Fax Results ☑ Level 3 QC ☐ Raw Data ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial): M

1. Relinquished by Sampler: Scott E. Fiskar	date 1-15-00	time 17:30	2. Received by: FED-EX
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: 1/16/01 1000

☑ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: [X] Non-Exempt: [ ]	4. Generator CHEVRON USA PRODUCTION COMPANY
Verbal Approval Received: Yes [ ] No [ ]	5. Originating Site HUGH LEASE
2. Management Facility Destination RHINO ENVIRONMENTAL SERVICES, INC	6. Transporter EPI, INC.
3. Address of Facility Operator P. O. BOX 25547 ALBUQUERQUE NM 87125	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) SEC. 14 NW, T22S, R37E, LEA CO., NM	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

THIS WASTE STREAM WAS GENERATED AS A RESULT OF CLEANUP OPERATIONS FROM A FLOWLINE LEAK ROAD CROSSING.

Martyne,
I don't think you need these two - but thought I would send them just in case. If not you can either file these or throw them

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

SIGNATURE: _____ TITLE: SR. PROJECT MANAGER DATE: 07/19/00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN HODGE TELEPHONE NO. (505)392-4498

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environm. Eng. Specialist DATE: 7-21-00

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: CHEVRON USA PRODUCTION COMPANY PERMIAN BASIN BUSINESS UNIT 2401 AVENUE O, BOX 1949 EUNICE NM 88231	3. Location (Street Address &/or ULSTR): SEC. 14 NW, T22S, R37E, LEA CO., NM
2. Originating Site (Name): HUGH LEASE	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste

I, William R Beck (Bill Beck) representative for Chevron USA Prod. do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

✓ EXEMPT oilfield waste ____ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

____ MSDS Information
____ RCRA TCLP Analysis
____ Chain of Custody
____ Other (Description)

Name (Signature): Bill Beck

Printed Name: Bill Beck

Title: Facilities Rep.

Date: 7-19-00

Attach list of originating sites as appropriate.

istrict I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
istrict II - (505) 748-1283
11 S. First
rtesia, NM 88210
istrict III - (505) 334-6178
00 Rio Brazos Road
tec, NM 87410
istrict IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☑ Non-Exempt: ☐	4. Generator GEORGE O'BRIEN
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site TEMPO ENERGY BORDAGES #1
2. Management Facility Destination RHINO OCD FARM	6. Transporter RHINO ENVIRONMENTAL SERVICES, INC.
3. Address of Facility Operator P. O. BOX 25547, ALBUQUERQUE, NM 87125	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR)	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

THIS WASTE STREAM WAS GENERATED AS A RESULT OF CLOSURE OPERATIONS OF AN EMERGENCY OVERFLOW PIT LOCATED AT THE BORDAGES #1 (SW, SE SEC. 28., T19S, R38E OF LEA CO., NEW MEXICO).

Estimated Volume 500 TO 700 YARDS cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: SR. PROJECT MANAGER DATE: 05/31/00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN HODGE TELEPHONE NO. (505)392-4498

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environ. Eng. Specialist DATE: 7-21-00

APPROVED BY: _____ TITLE: _____ DATE: _____

505 392-9376

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: GEORGE O'BRIEN P. O. BOX 1717 MIDLAND TX 79702	3. Location (Street Address &/or ULSTR): [redacted] MGM O&G Co. BURDAGES #1 (SW, SE SEC. 28, T19S, R38E OF LEA CO., NM)
2. Originating Site (Name): TEMPO ENERGY BORDAGES #1 (SW, SE SEC.28, T19S, R38E OF LEA CO., NM)	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste THIS WASTE STREAM WAS GENERATED AS A RESULT OF AN EMERGENCY OVERFLOW PIT LOCATED AT THE BURDAGES #1.

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

X EXEMPT oilfield waste

___NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___MSDS Information
___RCRA TCLP Analysis
___Chain of Custody
___Other (Description)

Name (Signature): George O'Brien

Printed Name: GEORGE O'BRIEN

Title: AGENT

Date: JUNE 1, 2000

Attach list of originating sites as appropriate.

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

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON ENERGY SERV.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site FORMER BAROID FACILITY
2. Management Facility Destination RHINO ENVIRONMENTAL SERV., INC. RHINO COMMERCIAL LANDFARM	6. Transporter RHINO ENV. SERV., INC.
3. Address of Facility Operator P. O. BOX 25547 ALBUQUERQUE, NM 87125	8. State TEXAS
7. Location of Material (Street Address or ULSTR) 818 EAST 2ND ST. ODESSA TX 79760	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

THIS WASTE STREAM HAS BEEN GENERATED AS A RESULT OF CLEANUP OPERATION OF THE HALLIBURTON YARD LOCATED AT 818 EAST 2ND STREET, ODESSA, TX 79760, ORIGINALLY A FORMER BAROID FACILITY.

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

SIGNATURE: _____ TITLE: SR. PROJECT MANAGER DATE: 06/20/00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN HODGE TELEPHONE NO. (505)392-4498
FAX 505 882-0563

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyne J. Kirby TITLE: Environmental Geologist DATE: 7-20-00

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: XX Verbal Approval Received: Yes ☐ No ☐	4. Generator HALLIBURTON ENERGY SERV.
	5. Originating Site FORMER BAROID FACILITY
2. Management Facility Destination RHINO ENVIRONMENTAL SERV., INC. RHINO COMMERCIAL LANDFARM	6. Transporter RHINO ENV. SERV., INC.
3. Address of Facility Operator P. O. BOX 25547 ALBUQUERQUE, NM 87125	8. State TEXAS
7. Location of Material (Street Address or ULSTR) 818 EAST 2ND ST. ODESSA TX 79760	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

THIS WASTE STREAM HAS BEEN GENERATED AS A RESULT OF CLEANUP OPERATION OF THE HALLIBURTON YARD LOCATED AT 818 EAST 2ND STREET, ODESSA, TX 79760, ORIGINALLY A FORMER BAROID FACILITY.

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

SIGNATURE: _____ TITLE: SR. PROJECT MANAGER DATE: 06/20/00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN HODGE TELEPHONE NO. (505)392-4498

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyne J. Kirby TITLE: Environmental Geologist DATE: 7-20-00

Allen
Hodge
mob # 370-1464
off # 392-4498

AGST – Materials in this data

Talked to Allan 6-26-00
Will send TCLP VOC SVOC Including Pest Herb.

To SF office. I Need to Copy that or Send to Donna with Approval.

Marlyn.

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: HALLIBURTON ENERGY SERVICES HEALTH, SAFETY & ENVIRONMENT 4100 CLINTON DRIVE, BUILDING 08-1107H HOUSTON, TX 77020-6737	3. Location (Street Address &/or ULSTR): 818 EAST 2ND STREET ODESSA, TX
2. Originating Site (Name): FORMER BAROID FACILITY	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste
STORAGE AREA STAINED SOIL

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

___ EXEMPT oilfield waste

✓ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
✓ RCRA TCLP Analysis SP-1
✓ Chain of Custody
✓ Other (Description) SITE MAP W/ SAMPLE LOCATION

Name (Signature): W. Jared Fuqua

Printed Name: W. JARED FUQUA

Title: PROJECT MANAGER - TETRA TECH EM INC.

Date: 6/20/00

Attach list of originating sites as appropriate.

FACSIMILE COVER SHEET

TETRA TECH EM INC.
350 N. ST. PAUL, SUITE 2600
DALLAS, TEXAS 75201
(214)754-8765
FAX: (214)922-9715

To: ALLEN HODGE

Date: 6/20/00

Fax #: 505.392.9376

Pages: 33 (including cover sheet)

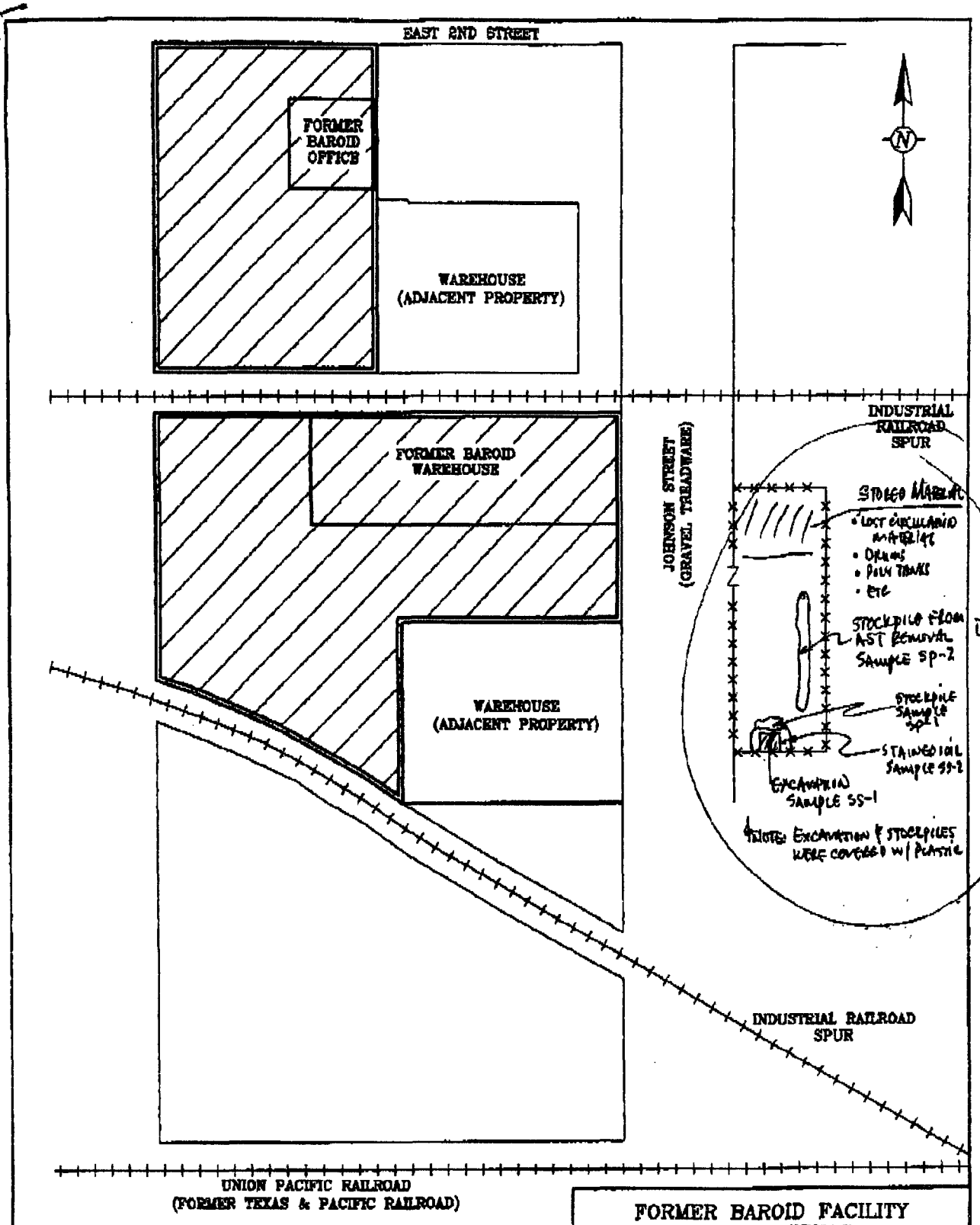
From: JARED FUQUA

Subject: DISPOSAL PROFILE INFORMATION

ORIGINAL WILL BE ~~MAILED~~ FEDEX'D (OVERNIGHT) TO 4007 LOVINGTON HWY, HOBBS, NM 88240

THANKS,
JARED

[QUESTIONS? CALL 214.740.2053 OR CELL 214.215.1034]



LEGEND

LEASED PROPERTY

0 30 60

SCALE IN FEET

FORMER BAROID FACILITY
ODESSA, TEXAS

FIGURE 2
SITE MAP

Tetra Tech EM Inc.

SOURCE: HALLIBURTON HEALTH, SAFETY & ENVIRONMENT FILES

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

FILE COPY

October 25, 1999

Jared Fuqua
Tetra Tech EM, Inc. -Dallas
350 N. St. Paul
Suite 2600
Dallas, TX 75201
TEL: 214-740-2053 FAX: 241-922-9715

Work Order: 9910292
Project: Baroid - Odessa

Dear Client:

Anachem, Inc. received 4 samples on 10/15/1999 for the analyses presented in the following report.

The samples were analyzed for the following tests:

CORROSIVITY (EPA 9040)
ICP (EPA 6010)
- Arsenic
- Barium
- Cadmium
- Chromium
- Lead
- Selenium
- Silver

Ignitability - Solid
Mercury Digestion (EPA 7470)
Mercury/Hg by Cold Vapor (EPA 7470)
Microwave Digestion (EPA 3051) Solid
Reactivity (Full)
TCLP Microwave Digestion (EPA 3015)
TCLP RCRA MERCURY (EPA 7470)
TCLP RCRA Metals (EPA 6010)
TCLP Sample Prep (Metals)
TPH by EPA 418.1 - Solid

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-986-1186

October 25, 1999

Jared Fuqua
Tetra Tech EM, Inc. -Dallas
Work Order: 9910292
Project: Baroid - Odessa
TPH by Texas 1005 - Solid
Volatiles by EPA 8260 - Solid

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

Howard H. Hayden, B.S.
Chemist

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-1 Stained Soil Sample
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
MERCURY/HG BY COLD VAPOR (EPA 7470)		**Prep Date**		Analyst: BMC
Mercury	0.045	0.02	mg/Kg	10/21/99
TCLP **ICP (EPA 6010)**		**Prep Date**	10/15/99 4:49:04 PM	Analyst: BMC
Arsenic	2.69	1	mg/Kg	10/18/99
Barium	163	0.12	mg/Kg	10/18/99
Cadmium	ND	0.12	mg/Kg	10/18/99
Chromium	3.69	0.12	mg/Kg	10/18/99
Lead	ND	1.48	mg/Kg	10/18/99
Selenium	ND	2	mg/Kg	10/18/99
Silver	ND	1	mg/Kg	10/18/99
TPH BY TEXAS 1005 - SOLID		**Prep Date**	10/15/99	Analyst: MP
T/R Hydrocarbons: C6-C10	ND	50	mg/Kg	10/15/99
T/R Hydrocarbons: C10-C28	2900	50	mg/Kg	10/15/99
T/R Hydrocarbons: C6-C28	2900	50	mg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-1
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
VOLATILES BY EPA 8260 - SOLID		**Prep Date**		Analyst: MC
Dichlorodifluoromethane	ND	30	µg/Kg	10/15/99
Chloromethane	ND	30	µg/Kg	10/15/99
Vinyl chloride	ND	20	µg/Kg	10/15/99
Bromomethane	ND	30	µg/Kg	10/15/99
Chloroethane	ND	30	µg/Kg	10/15/99
Trichlorofluoromethane	ND	30	µg/Kg	10/15/99
Acrylonitrile	ND	100	µg/Kg	10/15/99
1,1-Dichloroethene	ND	30	µg/Kg	10/15/99
Iodomethane	ND	30	µg/Kg	10/15/99
Acetone	ND	100	µg/Kg	10/15/99
Carbon disulfide	ND	30	µg/Kg	10/15/99
Methylene chloride	ND	100	µg/Kg	10/15/99
trans-1,2-Dichloroethene	ND	30	µg/Kg	10/15/99
Vinyl acetate	ND	30	µg/Kg	10/15/99
1,1-Dichloroethane	ND	30	µg/Kg	10/15/99
2,2-Dichloropropane	ND	30	µg/Kg	10/15/99
cis-1,2-Dichloroethene	ND	30	µg/Kg	10/15/99
2-Butanone	ND	30	µg/Kg	10/15/99
Bromochloromethane	ND	30	µg/Kg	10/15/99
Chloroform	ND	30	µg/Kg	10/15/99
1,1,1-Trichloroethane	ND	30	µg/Kg	10/15/99
Carbon tetrachloride	ND	30	µg/Kg	10/15/99
1,1-Dichloropropene	ND	30	µg/Kg	10/15/99
Benzene	ND	30	µg/Kg	10/15/99
1,2-Dichloroethane	ND	30	µg/Kg	10/15/99
Trichloroethene	ND	30	µg/Kg	10/15/99
1,2-Dichloropropane	ND	30	µg/Kg	10/15/99
Dibromomethane	ND	30	µg/Kg	10/15/99
Bromodichloromethane	ND	30	µg/Kg	10/15/99
cis-1,3-Dichloropropene	ND	30	µg/Kg	10/15/99
Toluene	ND	30	µg/Kg	10/15/99
trans-1,3-Dichloropropene	ND	30	µg/Kg	10/15/99
1,1,2-Trichloroethane	ND	30	µg/Kg	10/15/99
Tetrachloroethene	ND	30	µg/Kg	10/15/99
1,3-Dichloropropane	ND	30	µg/Kg	10/15/99
2-Hexanone	ND	30	µg/Kg	10/15/99
Dibromochloromethane	ND	30	µg/Kg	10/15/99
1,2-Dibromoethane	ND	30	µg/Kg	10/15/99
Chlorobenzene	ND	30	µg/Kg	10/15/99
1,1,1,2-Tetrachloroethane	ND	30	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-1
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
Ethylbenzene	340	30	µg/Kg	10/15/99
Xylenes, Total	1900	30	µg/Kg	10/15/99
Styrene	ND	30	µg/Kg	10/15/99
Bromoform	ND	30	µg/Kg	10/15/99
Isopropylbenzene	210	30	µg/Kg	10/15/99
Bromobenzene	ND	30	µg/Kg	10/15/99
1,1,2,2-Tetrachloroethane	ND	30	µg/Kg	10/15/99
1,2,3-Trichloropropane	ND	30	µg/Kg	10/15/99
n-Propylbenzene	430	30	µg/Kg	10/15/99
2-Chlorotoluene	ND	30	µg/Kg	10/15/99
4-Chlorotoluene	ND	30	µg/Kg	10/15/99
1,3,5-Trimethylbenzene	4100	30	µg/Kg	10/15/99
tert-Butylbenzene	ND	30	µg/Kg	10/15/99
1,2,4-Trimethylbenzene	2200	30	µg/Kg	10/15/99
sec-Butylbenzene	670	30	µg/Kg	10/15/99
1,3-Dichlorobenzene	ND	30	µg/Kg	10/15/99
4-Isopropyltoluene	6000	30	µg/Kg	10/15/99
1,4-Dichlorobenzene	ND	30	µg/Kg	10/15/99
1,2-Dichlorobenzene	ND	30	µg/Kg	10/15/99
n-Butylbenzene	ND	30	µg/Kg	10/15/99
1,2-Dibromo-3-chloropropane	ND	30	µg/Kg	10/15/99
1,2,4-Trichlorobenzene	ND	30	µg/Kg	10/15/99
Hexachlorobutadiene	ND	30	µg/Kg	10/15/99
Naphthalene	ND	100	µg/Kg	10/15/99
1,2,3-Trichlorobenzene	ND	30	µg/Kg	10/15/99
1,1,2-trichloro-1,2,2-trifluoroethane	ND	100	µg/Kg	10/15/99
2-Chloroethylvinylether	ND	30	µg/Kg	10/15/99
trans-1,4-Dichloro-2-butene	ND	30	µg/Kg	10/15/99
4-Methyl-2-pentanone	ND	30	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
MERCURY/HG BY COLD VAPOR (EPA 7470)		**Prep Date**		**Analyst: BMC**
Mercury	0.025	0.02	mg/Kg	10/21/99
ICP (EPA 6010)		**Prep Date**	10/16/99 4:49:04 PM	**Analyst: BMC**
Arsenic	1.81	1	mg/Kg	10/18/99
Barium	688	0.12	mg/Kg	10/18/99
Cadmium	ND	0.12	mg/Kg	10/18/99
Chromium	4.41	0.12	mg/Kg	10/18/99
Lead	4.64	1.48	mg/Kg	10/18/99
Selenium	ND	2	mg/Kg	10/18/99
Silver	ND	1	mg/Kg	10/18/99
TPH BY TEXAS 1005 - SOLID		**Prep Date**	10/15/99	**Analyst: MP**
T/R Hydrocarbons: C6-C10	ND	50	mg/Kg	10/15/99
T/R Hydrocarbons: C10-C28	ND	50	mg/Kg	10/15/99
T/R Hydrocarbons: C6-C28	ND	50	mg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
VOLATILES BY EPA 8260 - SOLID		**Prep Date**		Analyst: MC
Dichlorodifluoromethane	ND	3	µg/Kg	10/15/99
Chloromethane	ND	3	µg/Kg	10/15/99
Vinyl chloride	ND	2	µg/Kg	10/15/99
Bromomethane	ND	3	µg/Kg	10/15/99
Chloroethane	ND	3	µg/Kg	10/15/99
Trichlorofluoromethane	ND	3	µg/Kg	10/15/99
Acrylonitrile	ND	10	µg/Kg	10/15/99
1,1-Dichloroethene	ND	3	µg/Kg	10/15/99
Iodomethane	ND	3	µg/Kg	10/15/99
Acetone	ND	10	µg/Kg	10/15/99
Carbon disulfide	ND	3	µg/Kg	10/15/99
Methylene chloride	ND	10	µg/Kg	10/15/99
trans-1,2-Dichloroethene	ND	3	µg/Kg	10/15/99
Vinyl acetate	ND	3	µg/Kg	10/15/99
1,1-Dichloroethane	ND	3	µg/Kg	10/15/99
2,2-Dichloropropane	ND	3	µg/Kg	10/15/99
cis-1,2-Dichloroethene	ND	3	µg/Kg	10/15/99
2-Butanone	ND	3	µg/Kg	10/15/99
Bromochloromethane	ND	3	µg/Kg	10/15/99
Chloroform	ND	3	µg/Kg	10/15/99
1,1,1-Trichloroethane	ND	3	µg/Kg	10/15/99
Carbon tetrachloride	ND	3	µg/Kg	10/15/99
1,1-Dichloropropene	ND	3	µg/Kg	10/15/99
Benzene	ND	3	µg/Kg	10/15/99
1,2-Dichloroethane	ND	3	µg/Kg	10/15/99
Trichloroethene	ND	3	µg/Kg	10/15/99
1,2-Dichloropropane	ND	3	µg/Kg	10/15/99
Dibromomethane	ND	3	µg/Kg	10/15/99
Bromodichloromethane	ND	3	µg/Kg	10/15/99
cis-1,3-Dichloropropene	ND	3	µg/Kg	10/15/99
Toluene	ND	3	µg/Kg	10/15/99
trans-1,3-Dichloropropene	ND	3	µg/Kg	10/15/99
1,1,2-Trichloroethane	ND	3	µg/Kg	10/15/99
Tetrachloroethene	ND	3	µg/Kg	10/15/99
1,3-Dichloropropane	ND	3	µg/Kg	10/15/99
2-Hexanone	ND	3	µg/Kg	10/15/99
Dibromochloromethane	ND	3	µg/Kg	10/15/99
1,2-Dibromoethane	ND	3	µg/Kg	10/15/99
Chlorobenzene	ND	3	µg/Kg	10/15/99
1,1,1,2-Tetrachloroethane	ND	3	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc. Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
Ethylbenzene	ND	3	µg/Kg	10/15/99
Xylenes, Total	ND	3	µg/Kg	10/15/99
Styrene	ND	3	µg/Kg	10/15/99
Bromoform	ND	3	µg/Kg	10/15/99
Isopropylbenzene	ND	3	µg/Kg	10/15/99
Bromobenzene	ND	3	µg/Kg	10/15/99
1,1,2,2-Tetrachloroethane	ND	3	µg/Kg	10/15/99
1,2,3-Trichloropropane	ND	3	µg/Kg	10/15/99
n-Propylbenzene	ND	3	µg/Kg	10/15/99
2-Chlorotoluene	ND	3	µg/Kg	10/15/99
4-Chlorotoluene	ND	3	µg/Kg	10/15/99
1,3,5-Trimethylbenzene	ND	3	µg/Kg	10/15/99
tert-Butylbenzene	ND	3	µg/Kg	10/15/99
1,2,4-Trimethylbenzene	ND	3	µg/Kg	10/15/99
sec-Butylbenzene	ND	3	µg/Kg	10/15/99
1,3-Dichlorobenzene	ND	3	µg/Kg	10/15/99
4-Isopropyltoluene	ND	3	µg/Kg	10/15/99
1,4-Dichlorobenzene	ND	3	µg/Kg	10/15/99
1,2-Dichlorobenzene	ND	3	µg/Kg	10/15/99
n-Butylbenzene	ND	3	µg/Kg	10/15/99
1,2-Dibromo-3-chloropropane	ND	3	µg/Kg	10/15/99
1,2,4-Trichlorobenzene	ND	3	µg/Kg	10/15/99
Hexachlorobutadiene	ND	3	µg/Kg	10/15/99
Naphthalene	ND	10	µg/Kg	10/15/99
1,2,3-Trichlorobenzene	ND	3	µg/Kg	10/15/99
1,1,2-trichloro-1,2,2-trifluoroethane	ND	10	µg/Kg	10/15/99
2-Chloroethylvinylether	ND	3	µg/Kg	10/15/99
trans-1,4-Dichloro-2-butene	ND	3	µg/Kg	10/15/99
4-Methyl-2-pentanone	ND	3	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SP-1
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CORROSIVITY (EPA 9040)		**Prep Date**		Analyst: SD
pH	7.5	0.005	pH Units	10/25/99
IGNITABILITY - SOLID		**Prep Date**		Analyst: SD
Ignitability	ND	1	°F	10/25/99
FLASH POINT >155 F				
REACTIVITY (FULL)		**Prep Date**		Analyst: SD
Cyanide, Reactive	ND	0.1	mg/Kg	10/21/99
Reactivity to Acid	ND	0	mg/Kg	10/21/99
Reactivity to Air	ND	0	mg/Kg	10/21/99
Reactivity to Alkali	ND	0	mg/Kg	10/21/99
Reactivity to Water	ND	0	mg/Kg	10/21/99
Sulfide, Reactive	ND	0.3	mg/Kg	10/21/99
TCLP RCRA MERCURY (EPA 7470)		**Prep Date**		Analyst: BMC
Mercury	ND	0.0004	mg/L	10/22/99
TCLP RCRA METALS (EPA 6010)		**Prep Date**	10/19/99 3:38:53 PM	Analyst: BMC
Arsenic	ND	0.025	mg/L	10/20/99
Barium	0.405	0.003	mg/L	10/20/99
Cadmium	ND	0.003	mg/L	10/20/99
Chromium	ND	0.003	mg/L	10/20/99
Lead	ND	0.037	mg/L	10/20/99
Selenium	ND	0.037	mg/L	10/20/99
Silver	ND	0.025	mg/L	10/20/99
TPH BY EPA 418.1 - SOLID		**Prep Date**	10/21/99	Analyst: AT
Petroleum Hydrocarbons, TR	9200	10	mg/Kg	10/21/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SP-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CORROSIVITY (EPA 9040)		**Prep Date**		**Analyst: SD**
pH	9	0.005	pH Units	10/25/99
IGNITABILITY - SOLID		**Prep Date**		**Analyst: SD**
Ignitability	ND	1	°F	10/25/99
FLASH POINT >165 F				
REACTIVITY (FULL)		**Prep Date**		**Analyst: SD**
Cyanide, Reactive	ND	0.1	mg/Kg	10/21/99
Reactivity to Acid	ND	0	mg/Kg	10/21/99
Reactivity to Air	ND	0	mg/Kg	10/21/99
Reactivity to Alkali	ND	0	mg/Kg	10/21/99
Reactivity to Water	ND	0	mg/Kg	10/21/99
Sulfide, Reactive	ND	0.3	mg/Kg	10/21/99
TCLP RCRA MERCURY (EPA 7470)		**Prep Date**		**Analyst: BMC**
Mercury	ND	0.0004	mg/L	10/22/99
TCLP RCRA METALS (EPA 6010)		**Prep Date**	10/19/99 3:38:53 PM	**Analyst: BMC**
Arsenic	ND	0.025	mg/L	10/20/99
Barium	0.828	0.003	mg/L	10/20/99
Cadmium	ND	0.003	mg/L	10/20/99
Chromium	0.039	0.003	mg/L	10/20/99
Lead	ND	0.037	mg/L	10/20/99
Selenium	ND	0.037	mg/L	10/20/99
Silver	ND	0.025	mg/L	10/20/99
TPH BY EPA 418.1 - SOLID		**Prep Date**	10/21/99	**Analyst: AT**
Petroleum Hydrocarbons, TR	6600	10	mg/Kg	10/21/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	Client Sample ID:	SP-2
Work Order:	9910292	Location:	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	Collection Date:	10/14/99
Lab ID:	9910292-04A	Matrix:	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CORROSIVITY (EPA 9040)		Prep Date		Analyst: SD
pH	9	0.005	pH Units	10/25/99
IGNITABILITY - SOLID		Prep Date		Analyst: SD
Ignitability	ND	1	°F	10/25/99
FLASH POINT >155 F				
REACTIVITY (FULL)		Prep Date		Analyst: SD
Cyanide, Reactive	ND	0.1	mg/Kg	10/21/99
Reactivity to Acid	ND	0	mg/Kg	10/21/99
Reactivity to Air	ND	0	mg/Kg	10/21/99
Reactivity to Alkali	ND	0	mg/Kg	10/21/99
Reactivity to Water	ND	0	mg/Kg	10/21/99
Sulfide, Reactive	ND	0.3	mg/Kg	10/21/99
TCLP RCRA MERCURY (EPA 7470)		Prep Date		Analyst: BMC
Mercury	ND	0.0004	mg/L	10/22/99
TCLP RCRA METALS (EPA 6010)		Prep Date	10/19/99 3:38:53 PM	Analyst: BMC
Arsenic	ND	0.025	mg/L	10/20/99
Barium	0.826	0.003	mg/L	10/20/99
Cadmium	ND	0.003	mg/L	10/20/99
Chromium	0.039	0.003	mg/L	10/20/99
Lead	ND	0.037	mg/L	10/20/99
Selenium	ND	0.037	mg/L	10/20/99
Silver	ND	0.025	mg/L	10/20/99
TPH BY EPA 418.1 - SOLID		Prep Date	10/21/99	Analyst: AT
Petroleum Hydrocarbons, TR	6800	10	mg/Kg	10/21/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: 25-Oct-99

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 9910292
Project: Baroid - Odessa

QC SUMMARY REPORT

TPH by EPA 418.1 - Solid Units: mg/Kg Analysis Date: 10/21/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Petroleum Hydrocarbons, TR		6580	6600			0.3%	

Purchase Order/Chain Of Custody

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: JARED FUQUA	Bill To: (Buyer) TETRA TECH EM INC.
Company: TETRA TECH EM INC.	Purchase Order #:
Address: 350 N. ST. PAUL ST. SUITE 2600	Address: SAME
City, State, Zip: DALLAS, TX 75201	City, State, Zip:
Phone: 214 740 2053 Fax: 214 922 9715	Phone: Fax:
Project Name: BAROID - ODESSA	Quote #:
Project Location: 818 EAST 2ND STREET	City, State: ODESSA, TX
Date Due: NORMAL TURN Rush: 0% 25% 50% 100%	Sampled By: FUQUA

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	TPH (TX 1005)	TPH (418.1)	VOC (8260)	METALS (RCRA-8)	TCLP METALS (RCRA-8)	RCI		
9910292-01	1. SS-1	Soil	10/14/99 1010		X		X	X				
-02	2. SS-2	"	" 1020		X		X	X				
-03	3. SP-1	"	" 1030			X			X	X		
-04	4. SP-2	"	" 1040			X			X	X		
	5.											
	6.											
	7.											
	8.											
	9.											
	10.											

Relinquished By	Date	Time	Received By	Date	Time
[signature]	10/14/99	1400	[signature]	10/15/99	10:00
TO FEDEX					

Sample Receipt Notes
- Temperature
- Preserved Properly
- COC Seals Intact
- Method of Shipment

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal____
Accept Returned Sample ____

Submission # 9910292

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: HALLIBURTON ENERGY SERVICES HEALTH, SAFETY & ENVIRONMENT 4100 CLINTON DRIVE, BUILDING 03-11074 HOUSTON, TX 77020-6737	3. Location (Street Address &/or ULSTR): 818 EAST 2ND STREET ODESSA, TX
2. Originating Site (Name): FORMER BAROID FACILITY	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste
AST BERM MATERIAL (SOIL & ROCK)

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

___ EXEMPT oilfield waste

✓ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
✓ RCRA TCLP Analysis SP-2
✓ Chain of Custody
✓ Other (Description) SITE MAP W/ SAMPLE LOCATION

Name (Signature): W. Jared Fuqua

Printed Name: W. JARED FUQUA

Title: PROJECT MANAGER - TETRA TECH INC.

Date: 6/20/00

Attach list of originating sites as appropriate.

Oil and Gas Wastes: Exempt vs. Non-Exempt

Non-Exempt Wastes Not to land farm	Exempt Wastes OK to land farm
Unused fracturing fluid/acid	Produced water
Painting waste	Drilling fluids
Service company wastes	Drill cuttings
Refinery wastes	Rigwash
Used lube oil	Well completion fluids
Used hydraulic oil	Workover wastes
Waste solvents	Gas plant dehydration wastes
Waste compressor oil	Gas plant sweetening wastes
Sanitary wastes	Spent filters and backwash
Boiler cleaning wastes	Packing fluids
Incinerator ash	Produced sand
Laboratory wastes	Production tank bottoms
Transportation pipeline waste	Gathering line pigging wastes
Pesticide wastes	Hydrocarbon-bearing soil
Drums, insulation and miscellaneous solids	Waste crude oil from primary field sites

RCRA list is courtesy of Mike Fitzpatrick, EPA

Glycols?

Used motor/waste oil - TC

Gas Plants - exempt except for several fluids ie cleaning bundles, cooling tower sludges - unless bored to blowdown tower

Totals 20 times TCLP or TCLP levels are 5% of Totals

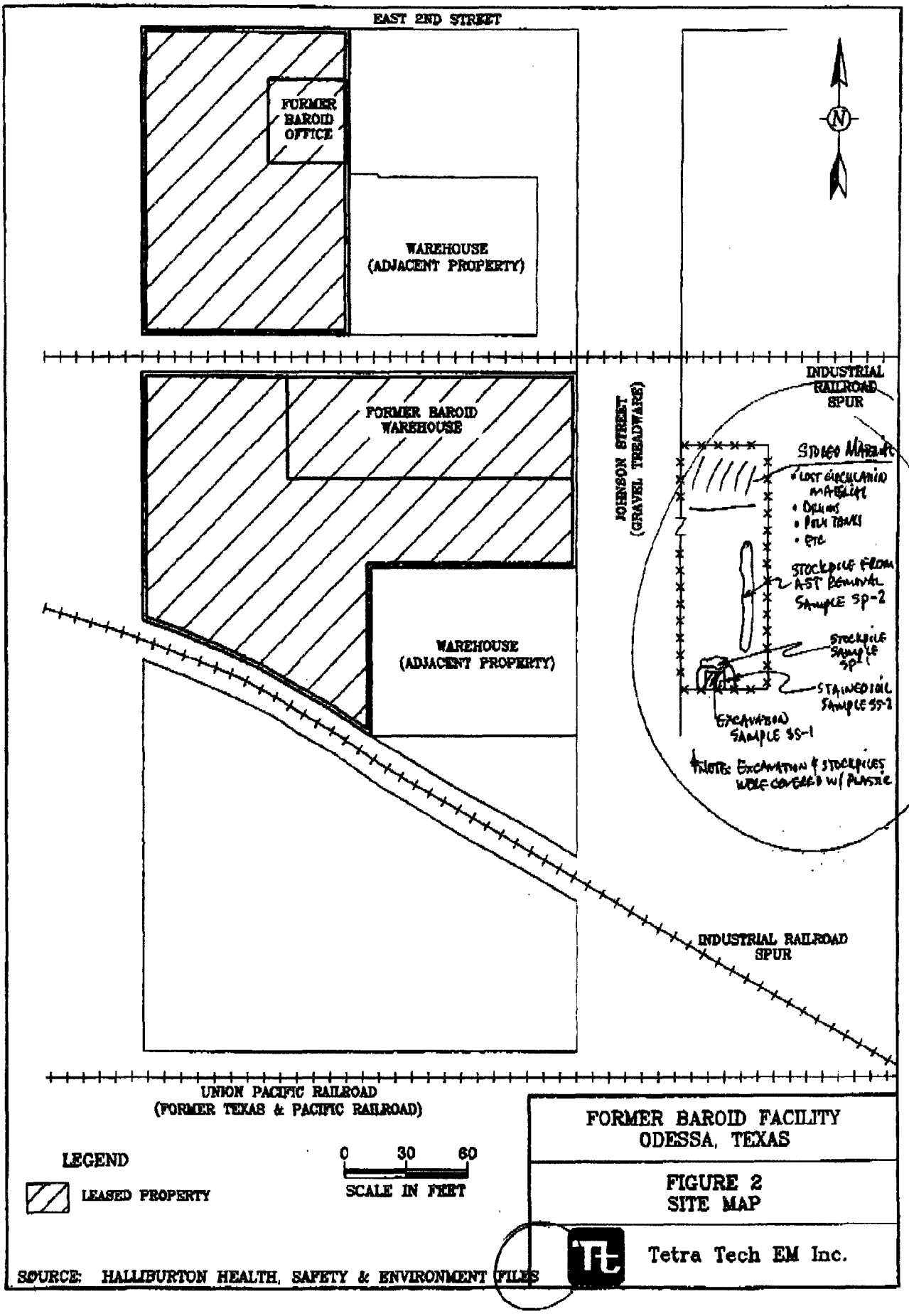
140°F = 60°C

TC Constituents (39) and their regulatory levels

Volatile Compounds		SVOC List Pesticides	
Benzene	.5 mg/l	Chlordane	.03 mg/l
Carbon tetrachloride	.5 mg/l	Endrin	.02 mg/l*
Chlorobenzene	100 mg/l	Heptachlor	.008 mg/l
Chloroform	6.0 mg/l	Lindane	.4 mg/l*
1,2-dichloroethane	.5 mg/l	Methoxychlor	10.0 mg/l*
1,1-dichloroethylene	.7 mg/l	Toxaphene	.5 mg/l*
Methyl Ethyl Ketone	200.0 mg/l	SVOC List	
Tetrachloroethylene	.7 mg/l	**Herbicides**	
Trichloroethylene	.5 mg/l	2,4-D	10.0 mg/l*
Vinyl Chloride	.2 mg/l	2,4,5-TP (Silvex)	1.0 mg/l*
Base Neutral Acids		**Metals**	
o-cresol	200 mg/l	Arsenic	5.0 mg/l*
m-cresol	200 mg/l	Barium	100.0 mg/l*
p-cresol	200 mg/l	Cadmium	1.0 mg/l*
1,4-dichlorobenzene	7.5 mg/l	Chromium	5.0 mg/l*
2,4-dinitrotoluene	.13 mg/l	Lead	5.0 mg/l*
Hexachlorobenzene	.13 mg/l	Mercury	.2 mg/l*
Hexachloro-1,3-butadiene	.5 mg/l	Selenium	1.0 mg/l*
Hexachloroethane	3.0 mg/l	Silver	5.0 mg/l
Nitrobenzene	2.0 mg/l		
Pentachlorophenol	100 mg/l		
Pyridine	5.0 mg/l		
2,4,5-trichlorophenol	400.0 mg/l		
2,4,6-trichlorophenol	2.0 mg/l		
Cresol	200 mg/l		

The constituents noted (*) are the original EP Toxicity constituents.

If total Cresol is used reg level is 200ppm



FORMER BAROID FACILITY
ODESSA, TEXAS

FIGURE 2
SITE MAP

Tetra Tech EM Inc.

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

FILE COPY

October 25, 1999

Jared Fuqua
Tetra Tech EM, Inc. -Dallas
350 N. St. Paul
Suite 2600
Dallas, TX 75201
TEL: 214-740-2053 FAX: 241-922-9715

Work Order: 9910292
Project: Baroid - Odessa

Dear Client:

Anachem, Inc. received 4 samples on 10/15/1999 for the analyses presented in the following report.

The samples were analyzed for the following tests:

CORROSIVITY (EPA 9040)
ICP (EPA 6010)
- Arsenic
- Barium
- Cadmium
- Chromium
- Lead
- Selenium
- Silver

Ignitability - Solid
Mercury Digestion (EPA 7470)
Mercury/Hg by Cold Vapor (EPA 7470)
Microwave Digestion (EPA 3051) Solid
Reactivity (Full)
TCLP Microwave Digestion (EPA 3015)
TCLP RCRA MERCURY (EPA 7470)
TCLP RCRA Metals (EPA 6010)
TCLP Sample Prep (Metals)
TPH by EPA 418.1 - Solid

Purchase Order/Chain Of Custody

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: JARED FURGUSON	Bill To: (Buyer) TETRA TECH EM INC.
Company: TETRA TECH EM INC.	Purchase Order #:
Address: 350 N. ST. PAUL ST. SUITE 2600	Address: SAME
City, State, Zip: DALLAS, TX 75201	City, State, Zip:
Phone: 214 740 2053 Fax: 214 922 9715	Phone: Fax:

Project Name: BAROID - ODESSA Quote #:

Project Location: 818 EAST 2ND STREET City, State: ODESSA, TX

Date Due: NORMAL TAT Rush: 0% 25% 50% 100% Sampled By: FURGUSON

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	TDN (TX ROS)	TDA (48 1)	VOC (8260)	METALS (RCRA-8)	TCLP METALS (RCRA-8)	RCI		
9910292-01	1. SS-1 Excavation Sample	Soil	10/14/99 1010		X		X	X				
-02	2. SS-2 Stained Soil ~~Sample Stockpile~~	"	" 1020		X		X	X				
-03	3. SP-1 Stockpile Sample	"	" 1030			X			X	X		
-04	4. SP-2 Stockpile Sample, Above Ground ~~Storage tank~~ Berm	"	" 1040			X			X	X		
	5.											
	6.											
	7.											
	8.											
	9.											
	10.											

Relinquished By	Date	Time	Received By	Date	Time
[signature]	10/14/99	1400	[signature]	10/15/99	10:00
TO FEDEX					

Sample Receipt Notes
Temperature
Preserved Properly
COC Seals Intact
Method of Shipment

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal ____
Accept Returned Sample ____

Submission # 9910292

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9666 • 1-800-966-1186

October 25, 1999

Jared Fuqua
Tetra Tech EM, Inc. -Dallas
Work Order: 9910292
Project: Baroid - Odessa
TPH by Texas 1005 - Solid
Volatiles by EPA 8260 - Solid

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

Howard H. Hayden, B.S.
Chemist

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned. The use of our name and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualitites of apparently identical or similar materials.

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-1
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
MERCURY/HG BY COLD VAPOR (EPA 7470)		**Prep Date**		Analyst: **BMC**
Mercury	0.045	0.02	mg/Kg	10/21/99
ICP (EPA 6010)		**Prep Date**	10/15/99 4:49:04 PM	Analyst: **BMC**
Arsenic	2.89	1	mg/Kg	10/18/99
Barium	163	0.12	mg/Kg	10/18/99
Cadmium	ND	0.12	mg/Kg	10/18/99
Chromium	3.69	0.12	mg/Kg	10/18/99
Lead	ND	1.48	mg/Kg	10/18/99
Selenium	ND	2	mg/Kg	10/18/99
Silver	ND	1	mg/Kg	10/18/99
TPH BY TEXAS 1005 - SOLID		**Prep Date**	10/15/99	Analyst: **MP**
T/R Hydrocarbons: C6-C10	ND	50	mg/Kg	10/15/99
T/R Hydrocarbons: C10-C28	2900	50	mg/Kg	10/15/99
T/R Hydrocarbons: C6-C28	2900	50	mg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-1
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
VOLATILES BY EPA 8260 - SOLID		**Prep Date**		Analyst: MC
Dichlorodifluoromethane	ND	30	µg/Kg	10/15/99
Chloromethane	ND	30	µg/Kg	10/15/99
Vinyl chloride	ND	20	µg/Kg	10/15/99
Bromomethane	ND	30	µg/Kg	10/15/99
Chloroethane	ND	30	µg/Kg	10/15/99
Trichlorofluoromethane	ND	30	µg/Kg	10/15/99
Acrylonitrile	ND	100	µg/Kg	10/15/99
1,1-Dichloroethene	ND	30	µg/Kg	10/15/99
Iodomethane	ND	30	µg/Kg	10/15/99
Acetone	ND	100	µg/Kg	10/15/99
Carbon disulfide	ND	30	µg/Kg	10/15/99
Methylene chloride	ND	100	µg/Kg	10/15/99
trans-1,2-Dichloroethene	ND	30	µg/Kg	10/15/99
Vinyl acetate	ND	30	µg/Kg	10/15/99
1,1-Dichloroethane	ND	30	µg/Kg	10/15/99
2,2-Dichloropropane	ND	30	µg/Kg	10/15/99
cis-1,2-Dichloroethene	ND	30	µg/Kg	10/15/99
2-Butanone	ND	30	µg/Kg	10/15/99
Bromochloromethane	ND	30	µg/Kg	10/15/99
Chloroform	ND	30	µg/Kg	10/15/99
1,1,1-Trichloroethane	ND	30	µg/Kg	10/15/99
Carbon tetrachloride	ND	30	µg/Kg	10/15/99
1,1-Dichloropropene	ND	30	µg/Kg	10/15/99
Benzene	ND	30	µg/Kg	10/15/99
1,2-Dichloroethane	ND	30	µg/Kg	10/15/99
Trichloroethene	ND	30	µg/Kg	10/15/99
1,2-Dichloropropane	ND	30	µg/Kg	10/15/99
Dibromomethane	ND	30	µg/Kg	10/15/99
Bromodichloromethane	ND	30	µg/Kg	10/15/99
cis-1,3-Dichloropropene	ND	30	µg/Kg	10/15/99
Toluene	ND	30	µg/Kg	10/15/99
trans-1,3-Dichloropropene	ND	30	µg/Kg	10/15/99
1,1,2-Trichloroethane	ND	30	µg/Kg	10/15/99
Tetrachloroethene	ND	30	µg/Kg	10/15/99
1,3-Dichloropropane	ND	30	µg/Kg	10/15/99
2-Hexanone	ND	30	µg/Kg	10/15/99
Dibromochloromethane	ND	30	µg/Kg	10/15/99
1,2-Dibromoethane	ND	30	µg/Kg	10/15/99
Chlorobenzene	ND	30	µg/Kg	10/15/99
1,1,1,2-Tetrachloroethane	ND	30	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: 25-Oct-99

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-1
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
Ethylbenzene	340	30	µg/Kg	10/15/99
Xylenes, Total	1900	30	µg/Kg	10/15/99
Styrene	ND	30	µg/Kg	10/15/99
Bromoform	ND	30	µg/Kg	10/15/99
Isopropylbenzene	210	30	µg/Kg	10/15/99
Bromobenzene	ND	30	µg/Kg	10/15/99
1,1,2,2-Tetrachloroethane	ND	30	µg/Kg	10/15/99
1,2,3-Trichloropropane	ND	30	µg/Kg	10/15/99
n-Propylbenzene	430	30	µg/Kg	10/15/99
2-Chlorotoluene	ND	30	µg/Kg	10/15/99
4-Chlorotoluene	ND	30	µg/Kg	10/15/99
1,3,5-Trimethylbenzene	4100	30	µg/Kg	10/15/99
tert-Butylbenzene	ND	30	µg/Kg	10/15/99
1,2,4-Trimethylbenzene	2200	30	µg/Kg	10/15/99
sec-Butylbenzene	670	30	µg/Kg	10/15/99
1,3-Dichlorobenzene	ND	30	µg/Kg	10/15/99
4-Isopropyltoluene	6000	30	µg/Kg	10/15/99
1,4-Dichlorobenzene	ND	30	µg/Kg	10/15/99
1,2-Dichlorobenzene	ND	30	µg/Kg	10/15/99
n-Butylbenzene	ND	30	µg/Kg	10/15/99
1,2-Dibromo-3-chloropropane	ND	30	µg/Kg	10/15/99
1,2,4-Trichlorobenzene	ND	30	µg/Kg	10/15/99
Hexachlorobutadiene	ND	30	µg/Kg	10/15/99
Naphthalene	ND	100	µg/Kg	10/15/99
1,2,3-Trichlorobenzene	ND	30	µg/Kg	10/15/99
1,1,2-trichloro-1,2,2-trifluoroethane	ND	100	µg/Kg	10/15/99
2-Chloroethylvinylether	ND	30	µg/Kg	10/15/99
trans-1,4-Dichloro-2-butene	ND	30	µg/Kg	10/15/99
4-Methyl-2-pentanone	ND	30	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
MERCURY/HG BY COLD VAPOR (EPA 7470)		**Prep Date**		Analyst: BMC
Mercury	0.025	0.02	mg/Kg	10/21/99
ICP (EPA 6010)		**Prep Date**	10/15/99 4:49:04 PM	Analyst: BMC
Arsenic	1.81	1	mg/Kg	10/18/99
Barium	688	0.12	mg/Kg	10/18/99
Cadmium	ND	0.12	mg/Kg	10/18/99
Chromium	4.41	0.12	mg/Kg	10/18/99
Lead	4.84	1.48	mg/Kg	10/18/99
Selenium	ND	2	mg/Kg	10/18/99
Silver	ND	1	mg/Kg	10/18/99
TPH BY TEXAS 1005 - SOLID		**Prep Date**	10/15/99	Analyst: MP
T/R Hydrocarbons: C6-C10	ND	50	mg/Kg	10/15/99
T/R Hydrocarbons: C10-C28	ND	50	mg/Kg	10/15/99
T/R Hydrocarbons: C6-C28	ND	50	mg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
VOLATILES BY EPA 8260 - SOLID		**Prep Date**		Analyst: **MC**
Dichlorodifluoromethane	ND	3	µg/Kg	10/15/99
Chloromethane	ND	3	µg/Kg	10/15/99
Vinyl chloride	ND	2	µg/Kg	10/15/99
Bromomethane	ND	3	µg/Kg	10/15/99
Chloroethane	ND	3	µg/Kg	10/15/99
Trichlorofluoromethane	ND	3	µg/Kg	10/15/99
Acrylonitrile	ND	10	µg/Kg	10/15/99
1,1-Dichloroethene	ND	3	µg/Kg	10/15/99
Iodomethane	ND	3	µg/Kg	10/15/99
Acetone	ND	10	µg/Kg	10/15/99
Carbon disulfide	ND	3	µg/Kg	10/15/99
Methylene chloride	ND	10	µg/Kg	10/15/99
trans-1,2-Dichloroethene	ND	3	µg/Kg	10/15/99
Vinyl acetate	ND	3	µg/Kg	10/15/99
1,1-Dichloroethane	ND	3	µg/Kg	10/15/99
2,2-Dichloropropane	ND	3	µg/Kg	10/15/99
cis-1,2-Dichloroethene	ND	3	µg/Kg	10/15/99
2-Butanone	ND	3	µg/Kg	10/15/99
Bromochloromethane	ND	3	µg/Kg	10/15/99
Chloroform	ND	3	µg/Kg	10/15/99
1,1,1-Trichloroethane	ND	3	µg/Kg	10/15/99
Carbon tetrachloride	ND	3	µg/Kg	10/15/99
1,1-Dichloropropene	ND	3	µg/Kg	10/15/99
Benzene	ND	3	µg/Kg	10/15/99
1,2-Dichloroethane	ND	3	µg/Kg	10/15/99
Trichloroethene	ND	3	µg/Kg	10/15/99
1,2-Dichloropropane	ND	3	µg/Kg	10/15/99
Dibromomethane	ND	3	µg/Kg	10/15/99
Bromodichloromethane	ND	3	µg/Kg	10/15/99
cis-1,3-Dichloropropene	ND	3	µg/Kg	10/15/99
Toluene	ND	3	µg/Kg	10/15/99
trans-1,3-Dichloropropene	ND	3	µg/Kg	10/15/99
1,1,2-Trichloroethane	ND	3	µg/Kg	10/15/99
Tetrachloroethene	ND	3	µg/Kg	10/15/99
1,3-Dichloropropane	ND	3	µg/Kg	10/15/99
2-Hexanone	ND	3	µg/Kg	10/15/99
Dibromochloromethane	ND	3	µg/Kg	10/15/99
1,2-Dibromoethane	ND	3	µg/Kg	10/15/99
Chlorobenzene	ND	3	µg/Kg	10/15/99
1,1,1,2-Tetrachloroethane	ND	3	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SS-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
Ethylbenzene	ND	3	µg/Kg	10/15/99
Xylenes, Total	ND	3	µg/Kg	10/15/99
Styrene	ND	3	µg/Kg	10/15/99
Bromoform	ND	3	µg/Kg	10/15/99
Isopropylbenzene	ND	3	µg/Kg	10/15/99
Bromobenzene	ND	3	µg/Kg	10/15/99
1,1,2,2-Tetrachloroethane	ND	3	µg/Kg	10/15/99
1,2,3-Trichloropropane	ND	3	µg/Kg	10/15/99
n-Propylbenzene	ND	3	µg/Kg	10/15/99
2-Chlorotoluene	ND	3	µg/Kg	10/15/99
4-Chlorotoluene	ND	3	µg/Kg	10/15/99
1,3,5-Trimethylbenzene	ND	3	µg/Kg	10/15/99
tert-Butylbenzene	ND	3	µg/Kg	10/15/99
1,2,4-Trimethylbenzene	ND	3	µg/Kg	10/15/99
sec-Butylbenzene	ND	3	µg/Kg	10/15/99
1,3-Dichlorobenzene	ND	3	µg/Kg	10/15/99
4-Isopropyltoluene	ND	3	µg/Kg	10/15/99
1,4-Dichlorobenzene	ND	3	µg/Kg	10/15/99
1,2-Dichlorobenzene	ND	3	µg/Kg	10/15/99
n-Butylbenzene	ND	3	µg/Kg	10/15/99
1,2-Dibromo-3-chloropropane	ND	3	µg/Kg	10/15/99
1,2,4-Trichlorobenzene	ND	3	µg/Kg	10/15/99
Hexachlorobutadiene	ND	3	µg/Kg	10/15/99
Naphthalene	ND	10	µg/Kg	10/15/99
1,2,3-Trichlorobenzene	ND	3	µg/Kg	10/15/99
1,1,2-trichloro-1,2,2-trifluoroethane	ND	10	µg/Kg	10/15/99
2-Chloroethylvinylether	ND	3	µg/Kg	10/15/99
trans-1,4-Dichloro-2-butene	ND	3	µg/Kg	10/15/99
4-Methyl-2-pentanone	ND	3	µg/Kg	10/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SP-1
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CORROSIVITY (EPA 9040)		**Prep Date**		Analyst: **SD**
pH	7.5	0.005	pH Units	10/25/99
IGNITABILITY - SOLID		**Prep Date**		Analyst: **SD**
Ignitability	ND	1	°F	10/25/99
FLASH POINT >155 F				
REACTIVITY (FULL)		**Prep Date**		Analyst: **SD**
Cyanide, Reactive	ND	0.1	mg/Kg	10/21/99
Reactivity to Acid	ND	0	mg/Kg	10/21/99
Reactivity to Air	ND	0	mg/Kg	10/21/99
Reactivity to Alkali	ND	0	mg/Kg	10/21/99
Reactivity to Water	ND	0	mg/Kg	10/21/99
Sulfide, Reactive	ND	0.3	mg/Kg	10/21/99
TCLP RCRA MERCURY (EPA 7470)		**Prep Date**		Analyst: **BMC**
Mercury	ND	0.0004	mg/L	10/22/99
TCLP RCRA METALS (EPA 6010)		**Prep Date**	10/19/99 3:38:53 PM	Analyst: **BMC**
Arsenic	ND	0.025	mg/L	10/20/99
Barium	0.405	0.003	mg/L	10/20/99
Cadmium	ND	0.003	mg/L	10/20/99
Chromium	ND	0.003	mg/L	10/20/99
Lead	ND	0.037	mg/L	10/20/99
Selenium	ND	0.037	mg/L	10/20/99
Silver	ND	0.025	mg/L	10/20/99
TPH BY EPA 418.1 - SOLID		**Prep Date**	10/21/99	Analyst: **AT**
Petroleum Hydrocarbons, TR	9200	10	mg/Kg	10/21/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Ocr-99*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SP-2
Work Order:	9910292	**Location:**	818 East 2nd St., Odessa, TX
Project:	Baroid - Odessa	**Collection Date:**	10/14/99
Lab ID:	9910292-04A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CORROSIVITY (EPA 9040)		**Prep Date**		Analyst: SD
pH	9	0.005	pH Units	10/25/99
IGNITABILITY - SOLID		**Prep Date**		Analyst: SD
Ignitability	ND	1	°F	10/25/99
FLASH POINT >155°F				
REACTIVITY (FULL)		**Prep Date**		Analyst: SD
Cyanide, Reactive	ND	0.1	mg/Kg	10/21/99
Reactivity to Acid	ND	0	mg/Kg	10/21/99
Reactivity to Air	ND	0	mg/Kg	10/21/99
Reactivity to Alkali	ND	0	mg/Kg	10/21/99
Reactivity to Water	ND	0	mg/Kg	10/21/99
Sulfide, Reactive	ND	0.3	mg/Kg	10/21/99
TCLP RCRA MERCURY (EPA 7470)		**Prep Date**		Analyst: BMC
Mercury	ND	0.0004	mg/L	10/22/99
TCLP RCRA METALS (EPA 6010)		**Prep Date**	10/19/99 3:38:53 PM	Analyst: BMC
Arsenic	ND	0.025	mg/L	10/20/99
Barium	0.828	0.003	mg/L	10/20/99
Cadmium	ND	0.003	mg/L	10/20/99
Chromium	0.039	0.003	mg/L	10/20/99
Lead	ND	0.037	mg/L	10/20/99
Selenium	ND	0.037	mg/L	10/20/99
Silver	ND	0.025	mg/L	10/20/99
TPH BY EPA 418.1 - SOLID		**Prep Date**	10/21/99	Analyst: AT
Petroleum Hydrocarbons, TR	6600	10	mg/Kg	10/21/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *25-Oct-99*

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 9910292
Project: Baroid - Odessa

QC SUMMARY REPORT

TPH by EPA 418.1 - Solid Units: mg/Kg Analysis Date: 10/21/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Petroleum Hydrocarbons, TR		6580	6600			0.3%	

Anachem, Inc. Date: 25-Oct-99

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 9910292
Project: Baroid - Odessa

QC SUMMARY REPORT

ICP (EPA 6010) Units: mg/Kg Analysis Date: 10/18/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Arsenic	200	89.2%	91.7%	75%	125%	2.7%	15
Barium	200	99.1%	88.1%	75%	125%	9.8%	15
Cadmium	200	93.9%	91.4%	75%	125%	2.7%	15
Chromium	200	90.5%	89.0%	75%	125%	1.6%	15
Lead	200	89.1%	88.1%	75%	125%	1.1%	15
Selenium	200	87.1%	91.6%	75%	125%	5.7%	15
Silver	200	95.6%	93.1%	75%	125%	2.7%	15

ICP (EPA 6010) Units: mg/L Analysis Date: 10/20/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Arsenic	5	90.1%	92.9%	75%	125%	3.1%	15
Barium	5	88.8%	90.0%	75%	125%	1.3%	15
Cadmium	5	90.8%	92.0%	75%	125%	1.3%	15
Chromium	5	87.4%	88.6%	75%	125%	1.4%	15
Copper	5	90.1%	91.3%	75%	125%	1.3%	15
Lead	5	91.0%	92.0%	75%	125%	1.1%	15
Selenium	5	93.1%	90.5%	75%	125%	2.9%	15
Silver	5	93.2%	94.6%	75%	125%	1.5%	15
Zinc	5	94.0%	95.4%	75%	125%	1.5%	15

Mercury/Hg by Cold Vapor (EPA 7470) Units: mg/Kg Analysis Date: 10/21/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	1	82.3%	81.3%	75%	125%	1.2%	15

Mercury/Hg by Cold Vapor (EPA 7470) Units: mg/Kg Analysis Date: 10/21/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	1	75.5%	81.0%	75%	125%	6.6%	15

Mercury/Hg by Cold Vapor (EPA 7470) Units: mg/L Analysis Date: 10/22/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	0.04	94.0%	97.5%	75%	125%	3.7%	15

TCLP RCRA MERCURY (EPA 7470) Units: mg/L Analysis Date: 10/22/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	0.04	100.8%	100.5%	75%	125%	0.2%	15

Mercury/Hg by Cold Vapor (EPA 7470) Units: mg/L Analysis Date: 10/22/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	0.04	78.5%	81.8%	75%	125%	4.1%	15

Reactivity (Full) Units: mg/Kg Analysis Date: 10/21/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Cyanide, Reactive	2.5	96.0%	100.0%	50%	150%	4.1%	15
Sulfide, Reactive	500	100.5%	101.3%	50%	150%	0.8%	15

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

Send to Martin in SF

Allen W/Rhino

July 05, 2000

Jared Fuqua
Tetra Tech EM, Inc. -Dallas
350 N. St. Paul
Suite 2600
Dallas, TX 75201
TEL: 214-740-2053 FAX: 214-922-9715

Work Order: 0006481
Project: Baroid - Odessa

Dear Client:

Anachem, Inc. received 2 samples on 06/30/2000 for the analyses presented in the following report.

The samples were analyzed for the following tests:

Chlorinated Herbicides by EPA 8151 - Solid
Organochlorine Pesticides by EPA 8081 - Solid
TCLP Sample Prep (Organics)
TCLP Semivolatiles-SOIL
TCLP Volatiles - Solid
TCLP ZHE (Volatile Extraction)

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

July 05, 2000

Jared Fuqua
Tetra Tech EM, Inc. -Dallas
Work Order: 0006481
Project: Baroid - Odessa

Respectfully Submitted,
Anachem, Inc.

Howard H. Hayden, B.S.
Chemist

Anachem, Inc.

Date: 05-Jul-00

CLIENT:	Tetra Tech EM, Inc. -Dallas	Client Sample ID:	SP-1
Work Order:	0006481	Location:	818 East 2nd St., Odessa
Project:	Baroid - Odessa	Collection Date:	6/28/00
Lab ID:	0006481-01A	Matrix:	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CHLORINATED HERBICIDES BY EPA 8151 - SOLID			Prep Date: 6/30/00	Analyst: HH
BatchID: R6304				
2,4,5-T	ND	0.1	µg/Kg	7/1/00
2,4,5-TP (Silvex)	ND	0.1	µg/Kg	7/1/00
2,4-D	ND	1	µg/Kg	7/1/00
2,4-DB	ND	1	µg/Kg	7/1/00
3,6-Dichlorobenzoic Acid	ND	0.5	µg/Kg	7/1/00
4-Nitrophenol	ND	1	µg/Kg	7/1/00
Acifluorfen	ND	0.1	µg/Kg	7/1/00
Bentazon	ND	0.5	µg/Kg	7/1/00
Dalapon	ND	1	µg/Kg	7/1/00
DCPA	ND	0.1	µg/Kg	7/1/00
Dicamba	ND	0.1	µg/Kg	7/1/00
Dichlorprop	ND	0.5	µg/Kg	7/1/00
Dinoseb	ND	0.1	µg/Kg	7/1/00
MCPA	ND	2	µg/Kg	7/1/00
MCPP	ND	2	µg/Kg	7/1/00
Pentachlorophenol	ND	0.1	µg/Kg	7/1/00
Picloram	ND	0.1	µg/Kg	7/1/00
ORGANOCHLORINE PESTICIDES BY EPA 8081 - SOLID			Prep Date: 6/30/00	Analyst: HH
BatchID: R6301				
4,4'-DDD	ND	1	µg/Kg	6/30/00
4,4'-DDE	ND	1	µg/Kg	6/30/00
4,4'-DDT	ND	1	µg/Kg	6/30/00
Aldrin	ND	1	µg/Kg	6/30/00
alpha-BHC	ND	1	µg/Kg	6/30/00
beta-BHC	ND	1	µg/Kg	6/30/00
Chlordane	ND	20	µg/Kg	6/30/00
delta-BHC	ND	1	µg/Kg	6/30/00
Dieldrin	ND	1	µg/Kg	6/30/00
Endosulfan I	ND	1	µg/Kg	6/30/00
Endosulfan II	ND	1	µg/Kg	6/30/00
Endosulfan sulfate	ND	1	µg/Kg	6/30/00
Endrin	ND	1	µg/Kg	6/30/00
Endrin aldehyde	ND	1	µg/Kg	6/30/00
Endrin ketone	ND	1	µg/Kg	6/30/00
gamma-BHC	ND	1	µg/Kg	6/30/00
Heptachlor	ND	1	µg/Kg	6/30/00
Heptachlor epoxide	ND	1	µg/Kg	6/30/00
Methoxychlor	ND	1	µg/Kg	6/30/00
Toxaphene	ND	20	µg/Kg	6/30/00

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: 05-Jul-00

CLIENT:	Tetra Tech EM, Inc. -Dallas	Client Sample ID:	SP-1
Work Order:	0006481	Location:	818 East 2nd St., Odessa
Project:	Baroid - Odessa	Collection Date:	6/28/00
Lab ID:	0006481-01A	Matrix:	SOIL

Analyses	Result	Limit	Units	Date Analyzed
TCLP SEMIVOLATILES-SOIL			Prep Date: 7/1/00	Analyst: HH
BatchID: R6300				
2,4,5-Trichlorophenol	ND	0.1	mg/L	7/1/00
2,4,6-Trichlorophenol	ND	0.1	mg/L	7/1/00
2,4-Dinitrotoluene	ND	0.1	mg/L	7/1/00
Cresols, Total	ND	1	mg/L	7/1/00
Hexachlorobenzene	ND	0.1	mg/L	7/1/00
Hexachlorobutadiene	ND	0.1	mg/L	7/1/00
Hexachloroethane	ND	0.1	mg/L	7/1/00
Nitrobenzene	ND	0.1	mg/L	7/1/00
Pentachlorophenol	ND	0.1	mg/L	7/1/00
Pyridine	ND	0.1	mg/L	7/1/00
TCLP VOLATILES - SOLID			Prep Date:	Analyst: MC
BatchID: R6325				
1,1-Dichloroethene	ND	0.1	mg/L	7/3/00
1,2-Dichloroethane	ND	0.1	mg/L	7/3/00
1,4-Dichlorobenzene	ND	0.1	mg/L	7/3/00
2-Butanone	ND	0.1	mg/L	7/3/00
Benzene	ND	0.1	mg/L	7/3/00
Carbon tetrachloride	ND	0.1	mg/L	7/3/00
Chlorobenzene	ND	0.1	mg/L	7/3/00
Chloroform	ND	0.1	mg/L	7/3/00
Tetrachloroethene	ND	0.1	mg/L	7/3/00
Trichloroethene	ND	0.1	mg/L	7/3/00
Vinyl chloride	ND	0.1	mg/L	7/3/00

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc. Date: *05-Jul-00*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SP-2
Work Order:	0006481	**Location:**	818 East 2nd St., Odessa
Project:	Baroid - Odessa	**Collection Date:**	6/28/00
Lab ID:	0006481-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CHLORINATED HERBICIDES BY EPA 8151 - SOLID			**Prep Date:** 6/30/00	**Analyst:** HH
BatchID: R6304				
2,4,5-T	ND	0.1	µg/Kg	7/1/00
2,4,5-TP (Silvex)	ND	0.1	µg/Kg	7/1/00
2,4-D	ND	1	µg/Kg	7/1/00
2,4-DB	ND	1	µg/Kg	7/1/00
3,5-Dichlorobenzoic Acid	ND	0.5	µg/Kg	7/1/00
4-Nitrophenol	ND	1	µg/Kg	7/1/00
Acifluorfen	ND	0.1	µg/Kg	7/1/00
Bentazon	ND	0.5	µg/Kg	7/1/00
Dalapon	ND	1	µg/Kg	7/1/00
DCPA	ND	0.1	µg/Kg	7/1/00
Dicamba	ND	0.1	µg/Kg	7/1/00
Dichlorprop	ND	0.5	µg/Kg	7/1/00
Dinoseb	ND	0.1	µg/Kg	7/1/00
MCPA	ND	2	µg/Kg	7/1/00
MCPP	ND	2	µg/Kg	7/1/00
Pentachlorophenol	ND	0.1	µg/Kg	7/1/00
Picloram	ND	0.1	µg/Kg	7/1/00
ORGANOCHLORINE PESTICIDES BY EPA 8081 - SOLID			**Prep Date:** 6/30/00	**Analyst:** HH
BatchID: R6301				
4,4'-DDD	ND	1	µg/Kg	6/30/00
4,4'-DDE	ND	1	µg/Kg	6/30/00
4,4'-DDT	ND	1	µg/Kg	6/30/00
Aldrin	ND	1	µg/Kg	6/30/00
alpha-BHC	ND	1	µg/Kg	6/30/00
beta-BHC	ND	1	µg/Kg	6/30/00
Chlordane	ND	20	µg/Kg	6/30/00
delta-BHC	ND	1	µg/Kg	6/30/00
Dieldrin	ND	1	µg/Kg	6/30/00
Endosulfan I	ND	1	µg/Kg	6/30/00
Endosulfan II	ND	1	µg/Kg	6/30/00
Endosulfan sulfate	ND	1	µg/Kg	6/30/00
Endrin	ND	1	µg/Kg	6/30/00
Endrin aldehyde	ND	1	µg/Kg	6/30/00
Endrin ketone	ND	1	µg/Kg	6/30/00
gamma-BHC	ND	1	µg/Kg	6/30/00
Heptachlor	ND	1	µg/Kg	6/30/00
Heptachlor epoxide	ND	1	µg/Kg	6/30/00
Methoxychlor	ND	1	µg/Kg	6/30/00
Toxaphene	ND	20	µg/Kg	6/30/00

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *05-Jul-00*

CLIENT:	Tetra Tech EM, Inc. -Dallas	**Client Sample ID:**	SP-2
Work Order:	0006481	**Location:**	818 East 2nd St., Odessa
Project:	Baroid - Odessa	**Collection Date:**	6/28/00
Lab ID:	0006481-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
TCLP SEMIVOLATILES-SOIL			**Prep Date:** 7/1/00	**Analyst:** HH
BatchID: R6300				
2,4,5-Trichlorophenol	ND	0.1	mg/L	7/1/00
2,4,6-Trichlorophenol	ND	0.1	mg/L	7/1/00
2,4-Dinitrotoluene	ND	0.1	mg/L	7/1/00
Cresols, Total	ND	1	mg/L	7/1/00
Hexachlorobenzene	ND	0.1	mg/L	7/1/00
Hexachlorobutadiene	ND	0.1	mg/L	7/1/00
Hexachloroethane	ND	0.1	mg/L	7/1/00
Nitrobenzene	ND	0.1	mg/L	7/1/00
Pentachlorophenol	ND	0.1	mg/L	7/1/00
Pyridine	ND	0.1	mg/L	7/1/00
TCLP VOLATILES - SOLID			**Prep Date:**	**Analyst:** MC
BatchID: R6325				
1,1-Dichloroethene	ND	0.1	mg/L	7/3/00
1,2-Dichloroethane	ND	0.1	mg/L	7/3/00
1,4-Dichlorobenzene	ND	0.1	mg/L	7/3/00
2-Butanone	ND	0.1	mg/L	7/3/00
Benzene	ND	0.1	mg/L	7/3/00
Carbon tetrachloride	ND	0.1	mg/L	7/3/00
Chlorobenzene	ND	0.1	mg/L	7/3/00
Chloroform	ND	0.1	mg/L	7/3/00
Tetrachloroethene	ND	0.1	mg/L	7/3/00
Trichloroethene	ND	0.1	mg/L	7/3/00
Vinyl chloride	ND	0.1	mg/L	7/3/00

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: 05-Jul-00

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 0006481
Project: Barold - Odessa

QC SUMMARY REPORT

Semivolatiles by EPA 8270 - Aqueous

BatchID: R6300 **Units:** µg/L **Analysis Date:** 7/1/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2-Chlorophenol	100000	101.4%	79.9%	23%	145%	23.7%	31
Acenaphthene	50000	90.3%	75.0%	47%	145%	18.5%	31
Phenol	100000	101.5%	79.7%	10%	120%	24.1%	42
Pyrene	50000	110.1%	84.5%	52%	125%	26.3%	31

Organochlorine Pesticides by EPA 8081 - Solid

BatchID: R6301 **Units:** µg/Kg **Analysis Date:** 6/30/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
4,4'-DDD	200	125.4%	125.2%	31%	141%	0.2%	35
4,4'-DDT	200	112.1%	106.8%	25%	160%	5.3%	35
Endosulfan sulfate	200	123.6%	110.9%	26%	144%	10.8%	35
Endrin	200	122.7%	121.1%	30%	147%	1.4%	35
Heptachlor	200	131.2%	118.5%	33%	135%	10.2%	65

Chlorinated Herbicides by EPA 8151 - Solid

BatchID: R6304 **Units:** µg/Kg **Analysis Date:** 7/1/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2,4,5-T	1000	90.0%	84.0%	8%	170%	6.9%	35
2,4,5-TP (Silvex)	1000	95.0%	87.0%	8%	170%	8.8%	35
2,4-D	1000	84.0%	79.0%	8%	170%	6.1%	35

Volatiles by EPA 8260 - Aqueous

BatchID: R6325 **Units:** µg/L **Analysis Date:** 7/3/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
1,1-Dichloroethene	20	68.6%	71.8%	20%	234%	7.4%	25
Benzene	20	102.9%	105.7%	37%	151%	2.6%	25
Chlorobenzene	20	106.7%	108.0%	37%	160%	2.1%	25
Toluene	20	95.5%	98.5%	47%	150%	3.1%	25
Trichloroethene	20	93.2%	95.0%	71%	157%	1.9%	25

Purchase Order/Chain Of Custody

Page ___ of ___

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: JARED FUQUA	Bill To: (Buyer) TETRA TECH EM, INC.
Company: TETRA TECH EM, INC.	Purchase Order #:
Address: 350 N. ST. PAUL SUITE 2600	Address:
City, State, Zip: DALLAS, TX 75201	City, State, Zip: SAME
Phone: 214-740-2083 Fax: 214-922-9715	Phone: Fax:

Project Name: BARRID - ODESSA Quote #:

Project Location: 818 EAST 2ND ST City, State: ODESSA

Date Due: ASAP 7/5 Rush: 0% 25% 50% 100% Sampled By: A. HOUSE / RH WOO

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	VOC (TCLP)	SVOC (TCLP)	PEST.	HERB.				
0006481-01	1. SP-1	SOIL	6/29/00 1400	COMP.	X	X	X	X				
-02	2. SP-2	SOIL	6/29/00 1420	COMP.	X	X	X	X				
	3.											
	4.											
	5.											
	6.											
	7.											
	8.											
	9.											
	10.											

Relinquished By	Date	Time	Received By	Date	Time
[signature]	6/29/00	1500	[signature]	6/30/00	0915

Sample Receipt Notes
Temperature on ice
Preserved Properly
COC Seals Intact
Method of Shipment Fed Ex

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal ____
Accept Returned Sample ____

Submission # 0006481

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

trict I - (505) 393-6161
. Box 1980
bbs, NM 88241-1980
trict II - (505) 748-1283
S. First
esia, NM 88210
trict III - (505) 334-6178
00 Rio Brazos Road
ec, NM 87410
trict IV - (505) 827-7131

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

RECEIVED
APR 17 2000
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator BS Services Co
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs District
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State NM
7. Location of Material (Street Address or ULSTR) 5108 W. County Rd	Hobbs, NM 88240

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

4 yd^3 generated from a leak of a diesel motor fuel AST

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

SIGNATURE: [signature] TITLE: General Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: [signature] TITLE Geologist DATE: 4-17-00

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: BJ Services Co. USA 11211 FM 2920 Tomball, TX 77375	3. Location (Street Address &/or ULSTR): 2708 W. County Rd Hobbs, NM 88240
2. Originating Site (Name): BJ Services Co., USA Hobbs District	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste

4yd³ generated from a leak of diesel motor fuel AST.

I, Richard Rexroad representative for: Brown + Caldwell agent for BJ Services Co., USA do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste ✓ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
___ RCRA TCLP Analysis
___ Chain of Custody
✓ Other (Description) Please see attached analysis

Name (Signature): Richard Rexroad

Printed Name: Richard Rexroad

Title: Principal Geologist

Date: March 21, 2000

Attach list of originating sites as appropriate.

March 21, 2000

To: Danielle Berardelli (Rhino Environmental Services)

From: Richard Rexroad (Brown and Caldwell)

Subject: Disposal of Drummed Soil
BJ Services Company, U.S.A.
Hobbs, New Mexico

Waste Profile Sheets and supporting analytical data for disposal of drummed soil cuttings at the BJ Services Company, U.S.A. (BJ Services) facility at Hobbs, New Mexico are provided herewith. The drummed soil is associated with the installation of monitor wells MW-12D and MW-13 at the facility.

Monitor well MW-12D was installed in the area of the former field waste tanks that were removed from the facility by BJ Services in March 1997. Rhino Environmental Services has previously disposed soil from this same source, as documented in recent correspondence to you from Mr. Rick N. Johnson of BJ Services. The Waste Profile Sheet for soil from monitor well MW-12D is provided within Attachment 1.

Monitor well MW-13 was installed in the area of a former aboveground diesel tank that was used as fuel for motor vehicles. The following table lists the location of the Waste Profile Sheet and associated analytical data supporting our request for disposal of the drummed soil cuttings from monitor well MW-13.

Monitor Well MW-13 Soil Cuttings	
Item	Location
1. Waste Profile Sheet	See Attachment 2
2. Laboratory Report - BTEX Analysis	See Attachment 3 (See representative sample AI24-50-51.5)
3. Laboratory Report - TPH Analysis	See Attachment 4 (See representative sample MW-13)
4. Laboratory Report – Metals Analysis	See Attachment 5 (See representative sample MW-12D/13-Soil)
5. Laboratory Report – Other Analyses	See Attachment 6 for RCI Analysis (See representative sample MW-13)

The exterior of each drum of containerized soil is clearly marked as to source – MW-12D Soil or MW-13 Soil. Please call me at 713-646-1129 if you have any questions regarding the information presented herein. The facility coordinator at the BJ Services facility in Hobbs, New Mexico is Mr. Chon Rivas, who can be contacted at 505-392-5556.

RHINO ENVIRONMENTAL SERVICES, INC.

GENERATOR'S WASTE PROFILE SHEET

Waste Generator Information

1. Generator's Name: BJ Services Company, USA 2. SIC Code: 1389
3. Generator's Address: 11211 FM 2920, Tomball, Texas 77375
4. Site Address: 2708 West County Road, Hobbs, New Mexico 88240
5. LUST #: _____ 6. USEPA/Federal ID #: _____ 7. State ID #: _____
8. Technical Contact: Chon Rivas 9. Phone: 505 - 392 - 5556

Waste Stream Information

1. Type of Contaminant: Gasoline ____ Diesel X Waste Oil ____ Other ____
2. Process Generating Waste: Leak of Diesel Motor Fuel from aboveground storage tank
3. Projected Volume: 4 cubic yards 4. Soil: X Water: ____ Sludge: ____
5. Special Instructions/Supplemental Information: ____

Waste Soil/Water Properties

1. Type of Soil: Sand X Gravel ____ Sandy Loam ____ Clay X Other ____
2. Analytical Data: BTEX: 100.2 ppm, Method 8020A
   TPH: <10 ppm, Method 8015B
   TCLP: MW12D/MW13 ppm, Method See Attachment 5 (Method 6010B/7471)
   Other: RCI, Method (See Attachment 7)

Representative Sample Certification

1. Sampler's Name: Richard Rexroad 2. Sample Date: 2/4/98, 9/30/99, 6/30/99, 3/1/00
3. Sampler's Title: Principal Geologist 4. Sampler's Employer: Brown and Caldwell
5. Sampler's Signature: Richard Rexroad
6. Analytical Data Enclosed (inclusive of quality control data and COC) Yes: X No: ____

Generator Certification

By signing this profile sheet, the generator certifies that :

1. This waste is not a "Hazardous Waste" as defined by USEPA and/or the state/province.
2. This waste does not contain regulated radioactive materials or regulated concentrations of PCBs (Polychlorinated Biphenyl's).
3. This sheet and attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
4. The analytical data presented herein or attached hereto were derived from testing representative samples taken in accordance with 40 CFR 261.20(c) or equivalent rules.
5. If any changes occur in the character of the waste, the Generator shall notify the Contractor prior to providing the waste to the Contractor.

Signature: Richard Rexroad Title: Principal Geologist

Printed Name: Richard Rexroad Date: 3/10/00

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Southern Petroleum Laboratories, Inc.

Certificate of Analysis Number: 98-02-751

Approved for Release by:

Bernadette A. Fini, Project Manager — 3-4-98 Date

Greg Grandits
Laboratory Director

Idelis Williams
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9802342-01

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Rick Rexroad

DATE: 02/20/98

PROJECT: BJ Hobbs
SITE: Hobbs, NM
SAMPLED BY: Brown & Caldwell
SAMPLE ID: AI24-50-51.5

PROJECT NO: 2832.34
MATRIX: SOIL
DATE SAMPLED: 02/04/98 14:20:00
DATE RECEIVED: 02/07/98

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
BENZENE	ND	500 P	µg/Kg
TOLUENE	2200	500 P	µg/Kg
ETHYLBENZENE	17000	500 P	µg/Kg
TOTAL XYLENE	81000	500 P	µg/Kg
TOTAL VOLATILE AROMATIC HYDROCARBONS	100200		µg/Kg
Surrogate	**% Recovery**		
1,4-Difluorobenzene	93		
4-Bromofluorobenzene	173MI		
Method 8020A ***			
Analyzed by: SB			
Date: 02/10/98			
Total Petroleum Hydrocarbons-Diesel	570	50.0 P	mg/kg
Surrogate	**% Recovery**		
n-Pentacosane	58		
Method Modified 8015B *** for Diesel			
Analyzed by: RR			
Date: 02/16/98 10:22:00			
Sonication Extraction	02/11/98		
Method 3550B ***			
Analyzed by: DL			
Date: 02/11/98 14:00:00			

ND - Not detected. (P) - Practical Quantitation Limit
MI - Matrix interference.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

QUALITY CONTROL

DOCUMENTATION

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: HP_R980210022700

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	48	96.0	60 - 116
Toluene	ND	50	47	94.0	64 - 122
EthylBenzene	ND	50	49	98.0	68 - 127
O Xylene	ND	50	50	100	68 - 127
M & P Xylene	ND	100	97	97.0	68 - 129

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20	18	90.0	18	90.0	0	33	35 - 139
TOLUENE	1.0	20	18	85.0	18	85.0	0	35	31 - 137
ETHYLBENZENE	ND	20	18	90.0	16	80.0	11.8	40	21 - 141
O XYLENE	1.2	20	17	79.0	16	74.0	6.54	24	25 - 139
M & P XYLENE	2.4	40	33	76.5	30	69.0	10.3	38	19 - 144

Analyst: SB
Sequence Date: 02/10/98
SPL ID of sample spiked: 9802238-07A
Sample File ID: R_B2027.TXO
Method Blank File ID:
Blank Spike File ID: R_B2024.TXO
Matrix Spike File ID: R_B2025.TXO
Matrix Spike Duplicate File ID: R_B2026.TXO

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID): 9802342-02A 9802342-01A 9802275-07A 9802238-07A 9802280-13A 9802378-01A 9802308-01A

** SPL BATCH QUALITY CONTROL REPORT **
Method Modified 8015B***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: mg/kg

Batch Id: HP_V980216093800

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Diesel	ND	166	160	96.4	77 - 145

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
DIESEL	570	830.0	730	19.3 *	700	15.7 *	20.6	50	21 - 175

Analyst: RR
Sequence Date: 02/16/98
SPL ID of sample spiked: 9802342-01B
Sample File ID: V_B3058.TXO
Method Blank File ID:
Blank Spike File ID: V_B3057.TXO
Matrix Spike File ID: V_B3059.TXO
Matrix Spike Duplicate File ID: V_B3060.TXO

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4TH Q '97)
(***) = Source: SPL-Houston Historical Data (4th Q '97)

SAMPLES IN BATCH(SPL ID): 9802342-01B 9802342-02B

** SPL BATCH QUALITY CONTROL REPORT **
Method Modified 8015B***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Batch Id: HP_T980224125910

Units: mg/kg

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Diesel	ND	166	170	102	77 - 145

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
DIESEL	ND	166.0	160	96.4	150	90.4	6.42	50	21 - 175

Analyst: RR
Sequence Date: 02/24/98
SPL ID of sample spiked: 9802684-03A
Sample File ID: T_B4062.TX0
Method Blank File ID:
Blank Spike File ID: T_B4059.TX0
Matrix Spike File ID: T_B4063.TX0
Matrix Spike Duplicate File ID: T_B4064.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4TH Q '97)
(***) = Source: SPL-Houston Historical Data (4th Q '97)

SAMPLES IN BATCH(SPL ID): 9802639-05B 9802639-04B 9802639-06B 9802639-07B
9802639-01B 9802684-03A 9802639-02B 9802639-03B

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020A***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Aqueous
Units: µg/L

Batch Id: HP_U980216130700

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	51	102	61 - 119
Toluene	ND	50	51	102	65 - 125
EthylBenzene	ND	50	51	102	70 - 118
O Xylene	ND	50	51	102	72 - 117
M & P Xylene	ND	100	103	103	72 - 116

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20	15	75.0	20	100	28.6 *	21	32 - 164
TOLUENE	ND	20	15	75.0	20	100	28.6 *	20	38 - 159
ETHYLBENZENE	ND	20	15	75.0	21	105	33.3 *	19	52 - 142
O XYLENE	ND	20	15	75.0	20	100	28.6 *	18	53 - 143
M & P XYLENE	ND	40	31	77.5	42	105	30.1 *	17	53 - 144

Analyst: VHZ
Sequence Date: 02/16/98
SPL ID of sample spiked: 9802576-04B
Sample File ID: U_B3011.TXO
Method Blank File ID:
Blank Spike File ID: U_B2197.TXO
Matrix Spike File ID: U_B3043.TXO
Matrix Spike Duplicate File ID: U_B3044.TXO

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID): 9802576-04B 9802639-08A 9802605-10B 9802576-02B 9802676-09A 9802676-13A

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020A***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: HP_R980217031500

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50.0	48	96.0	60 - 116
Toluene	ND	50.0	49	98.0	64 - 122
EthylBenzene	ND	50.0	50	100	68 - 127
O Xylene	ND	50.0	51	102	68 - 127
M & P Xylene	ND	100.0	100	100	68 - 129

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20.0	17	85.0	17	85.0	0	33	35 - 139
TOLUENE	1.2	20.0	18	84.0	17	79.0	6.13	35	31 - 137
ETHYLBENZENE	ND	20.0	17	85.0	16	80.0	6.06	40	21 - 141
O XYLENE	ND	20.0	16	80.0	16	80.0	0	24	25 - 139
M & P XYLENE	1.3	40.0	34	81.8	32	76.8	6.31	38	19 - 144

Analyst: SB
Sequence Date: 02/17/98
SPL ID of sample spiked: 9802534-07A
Sample File ID: R_B3038.TXO
Method Blank File ID:
Blank Spike File ID: R_B3035.TXO
Matrix Spike File ID: R_B3036.TXO
Matrix Spike Duplicate File ID: R_B3037.TXO

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID):

9802639-04A 9802639-05A 9802555-01A 9802639-07A
9802707-04A 9802706-04A 9802707-01A 9802707-02A
9802671-01A 9802671-02A 9802671-03A 9802534-07A
9802534-08A 9802534-04A 9802534-06A

** SPL BATCH QUALITY CONTROL REPORT **
METHOD 8020A***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: µg/Kg

Batch Id: HP_R980217074210

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Benzene	ND	50	46	92.0	60 - 116
Toluene	ND	50	47	94.0	64 - 122
EthylBenzene	ND	50	48	96.0	68 - 127
O Xylene	ND	50	49	98.0	68 - 127
M & P Xylene	ND	100	98	98.0	68 - 129

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
BENZENE	ND	20	14	70.0	14	70.0	0	33	35 - 139
TOLUENE	ND	20	12	60.0	13	65.0	8.00	35	31 - 137
ETHYLBENZENE	ND	20	10	50.0	11	55.0	9.52	40	21 - 141
O XYLENE	ND	20	9.0	45.0	10	50.0	10.5	24	25 - 139
M & P XYLENE	ND	40	20	50.0	23	57.5	14.0	38	19 - 144

Analyst: SB
Sequence Date: 02/17/98
SPL ID of sample spiked: 9802740-06A
Sample File ID: R_B3067.TXO
Method Blank File ID:
Blank Spike File ID: R_B3064.TXO
Matrix Spike File ID: R_B3065.TXO
Matrix Spike Duplicate File ID: R_B3066.TXO

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID):

9802740-04A 9802740-05A 9802742-01B 9802742-02B
9802321-05A 9802639-02A 9802556-01A 9802706-01A
9802740-06A 9802740-01A 9802740-02A 9802740-03A

** SPL BATCH QUALITY CONTROL REPORT **
Method 8020A ***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Batch Id: HP_R980216101000

Units: ug/kg

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
MTBE	ND	50	50	100	64 - 126
Benzene	ND	50	47	94.0	60 - 116
Toluene	ND	50	48	96.0	64 - 122
EthylBenzene	ND	50	48	96.0	68 - 127
O Xylene	ND	50	48	96.0	68 - 127
M & P Xylene	ND	100	96	96.0	68 - 129

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
MTBE	ND	20	16	80.0	12	60.0	28.6 *	22	27 - 196
BENZENE	1.5	20	17	77.5	16	72.5	6.67	33	35 - 139
TOLUENE	4.1	20	20	79.5	18	69.5	13.4	35	31 - 137
ETHYLBENZENE	1.5	20	13	57.5	9.6	40.5	34.7	40	21 - 141
O XYLENE	1.6	20	12	52.0	9.3	38.5	29.8 *	24	25 - 139
M & P XYLENE	4.2	40	28	59.5	22	44.5	28.8	38	19 - 144

Analyst: SB
Sequence Date: 02/16/98
SPL ID of sample spiked: 9802534-02A
Sample File ID: R_B3011.TX0
Method Blank File ID:
Blank Spike File ID: R_B3008.TX0
Matrix Spike File ID: R_B3009.TX0
Matrix Spike Duplicate File ID: R_B3010.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q '97)
(***) = Source: SPL-Houston Historical Data (1st Q '97)

SAMPLES IN BATCH(SPL ID):

9802688-01A	9802688-03A	9802510-01A	9802510-03A
9802706-02A	9802707-03A	9802706-01A	9802639-03A
9802639-06A	9802688-02A	9802688-01A	9802639-01A
9802534-02A	9802553-01A	9802570-02A	9802570-03A

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 9802342

44599

page 1 of 1

Client Name: Brown and Caldwell (713) 751-0999

Address/Phone: 1415 Louisiana #2500, Houston, TX 77002

Client Contact: K. Saravanan

Project Name: BJ-Hobbs

Project Number: 2832.34

Project Location: Hobbs, N.M.

Invoice To: R. Rexroad

matrix: W=water S=soil SL=sludge O=other:

bottle: P=plastic A=amber glass G=glass V=vial

size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz

pres.: 1=HCl 2=HNO3 3=H2SO4 O=other:

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	BTEX (8020)	TPH-D (8015)							
AI 24-50-51.5	2/4/98	1420		X	S	G	4	none	2	X	X							
AI 23-49-50.5	2/6/98 ~~07~~ R.R	0735		X	S	G	4	↓	2	X	X							

Client/Consultant Remarks: FedEx Tracking # 8008116-706879

Laboratory remarks:

Intact? ☑ Y ☐ N

Temp: 5°C

Requested TAT

24hr ☐ 72hr ☐

48hr ☐ Standard ☒

Other ☐ _____

Special Reporting Requirements: Fax Results ☒ Raw Data ☐ Standard QC ☒ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: Richard Rexroad	date 2/6/98	time 1600	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: 2/7/98 1000

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☐ 1501 E. Orangethorpe Avenue, Fullerton, CA 92631 (714) 447-6868

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Brown & Caldwell

Certificate of Analysis Number:
99090261

Report To:

Brown & Caldwell
Rick Rexroad
1415 Louisiana
Suite 2500
Houston
TX
77002-
ph: (713) 759-0999 fax: (713) 308-3886

Project Name: BJ- HOBBS
Site: BJ-HOBBS
Site Address:
PO Number:
State: New Mexico
State Cert. No.:
Date Reported:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW 13	99090261-01	Soil	9/30/99 10:00:00 AM	9/30/99 10:00:00 AM	080494	☐

Patricia L. Lynch
Lynch, Pat
Project Manager

10/15/99
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

Brown & Caldwell

Certificate of Analysis Number:

99090261

Report To:		Project Name:	BJ- HOBBS
Brown & Caldwell		Site:	BJ-HOBBS
Rick Rexroad		Site Address:	
1415 Louisiana			
Suite 2500		PO Number:	
Houston		State:	New Mexico
TX		State Cert. No.:	
77002-			
ph: (713) 759-0999	fax: (713) 308-3886	Date Reported:	10/18/99

The data in this report applies to one water sample from the BJ-Hobbs Site that SPL received on September 30, 1999. The sample was assigned to SPL Certificate of Analysis No. 99090261 and analyzed for TPH-gasoline and TPH-diesel.

Samples from the batches were randomly selected for matrix spike/ matrix spike duplicate analyses. Sample MW13 was analyzed as a matrix spike/ matrix spike duplicate for gasoline-range organics, and the percent recoveries were within the QC limits. This sample was not selected for MS/MSD for diesel-range organics, but the recovery in the associated Laboratory Control Sample (LCS) was acceptable. Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result pages or the quality control summary pages.

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Patricia L. Lynch

Lynch, Pat
Project Manager

10/18/99
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW 13 **Collected:** 09/30/99 10:00 **SPL Sample ID:** 99090261-01

Analyses/Method	Result	Rep.Limit	Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
DIESEL RANGE ORGANICS			SW8015B		Units: mg/Kg		
Diesel Range Organics	ND	10	1		10/06/99 10:22	RR	67976
Surr: Pentacosane	94	20-154	1		10/06/99 10:22	RR	67976

Run ID/Seq #: HP_V_991005A-67976

Prep Method	Prep Date	Prep Initials
SW3550A	10/04/1999 8:29	DB

GASOLINE RANGE ORGANICS			SW8015B		Units: mg/Kg		
Gasoline Range Organics	ND	0.1	1		10/04/99 17:33	FB	66220
Surr: 1,4-Difluorobenzene	84	72-153	1		10/04/99 17:33	FB	66220
Surr: 4-Bromofluorobenzene	95	51-149	1		10/04/99 17:33	FB	66220

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
6880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ- HOBBS

Analysis: Diesel Range Organics
Method: SW8015B
WorkOrder: 99090261
Lab Batch ID: 1038

Method Blank

RunID: HP_V_991005A-67973 Units: mg/Kg
Analysis Date: 10/05/1999 19:46 Analyst: RR
Preparation Date: 10/04/1999 8:29 Prep By: DB Method SW3550A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99090261-01B	MW 13

Analyte	Result	Rep Limit
Diesel Range Organics	ND	10
Surr: Pentacosane	103.7	20-154

Laboratory Control Sample (LCS)

RunID: HP_V_991005A-67974 Units: mg/Kg
Analysis Date: 10/05/1999 20:30 Analyst: RR
Preparation Date: 10/04/1999 8:29 Prep By: DB Method SW3550A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Diesel Range Organics	166	160	93	77	145

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 9910050-01A
RunID: HP_V_991005A-67980 Units: mg/Kg
Analysis Date: 10/07/1999 18:39 Analyst: RR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics	20000	166	25000	2740*	166	25000	3050*	10.9	50	21	175

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ- HOBBS

Analysis: Gasoline Range Organics
Method: SW8015B

WorkOrder: 99090261
Lab Batch ID: R3109

Method Blank

RunID: HP_O_991004A-66219 Units: mg/Kg
Analysis Date: 10/04/1999 17:05 Analyst: FB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
99090261-01A	MW 13

Analyte	Result	Rep Limit
Gasoline Range Organics	ND	0.10
Surr: 1,4-Difluorobenzene	83.0	72-153
Surr: 4-Bromofluorobenzene	92.1	51-149

Laboratory Control Sample (LCS)

RunID: HP_O_991004A-66216 Units: mg/Kg
Analysis Date: 10/04/1999 15:40 Analyst: FB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Gasoline Range Organics	1	0.82	82	53	137

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 99090261-01
RunID: HP_O_991004A-66217 Units: mg/Kg
Analysis Date: 10/04/1999 16:08 Analyst: FB

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics	ND	0.9	0.81	90.4	0.9	0.87	96.2	6.24	50	36	163

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Surrogate Recovery Unreportable due to Dilution

Chain of Custody
And
Sample Receipt Checklist

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 99090261

080494

page 1 of 1

Client Name: Brown & Caldwell

Address/Phone: 1415 Louisiana #2500, Houston

Client Contact: Rick Rexroad

Project Name: BJ-Hobbs

Project Number:

Project Location: Hobbs NM

Invoice To: Rick Rexroad 713 646 1129

matrix: W=water S=soil SL=sludge O=other:
bottle: P=plastic A=amber glass G=glass V=vial
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz
pres.: 1=HCl 2=HNO3 3=H2SO4 O=other:

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH G 8015	TPH D 8015							
MW 13	9/29	1620	X		S	G		/	3	X	X							

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☐Y ☐N

Temp: 2

Requested TAT

24hr ☐ 72hr ☐

48hr ☐ Standard ☒

Other ☐ _____

Special Reporting Requirements: Fax Results ☒ Raw Data ☐ Standard QC ☒ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: [signature]	date 9/29/99	time 1702	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory: Donna Kelly 9/30 1000

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Case Narrative for:

Brown & Caldwell

Certificate of Analysis Number:

00030049

Report To:		Project Name:	BJ- HOBBS
Brown & Caldwell		Site:	BJ-Hobbs, Drum Soil Cuttings
Rick Rexroad		Site Address:	
1415 Louisiana			
Suite 2500		PO Number:	
Houston		State:	New Mexico
TX		State Cert. No.:	
77002-		Date Reported:	
ph: (713) 759-0999	fax: (713) 308-3886		

Any data flags or quality control exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

Bernadette C. Fini

Fini, Bernadette
Customer Service Manager

3/6/00
Date

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Brown & Caldwell

Certificate of Analysis Number:

00030049

Report To:	Brown & Caldwell Rick Rexroad 1415 Louisiana Suite 2500 Houston TX 77002- ph: (713) 759-0999 fax: (713) 308-3886	**Project Name:**	BJ- HOBBS
		Site:	BJ-Hobbs, Drum Soil Cuttings
		Site Address:	
		PO Number:	
		State:	New Mexico
		State Cert. No.:	
Fax To:	*Brown & Caldwell* *Rick Rexroad* *fax: (713) 308-3886*	**Date Reported:**	

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
MW-13	00030049-01	Soil	3/1/00 2:30:00 PM	3/2/00 10:00:00 AM	097872	☐

Fini, Bernadette
Customer Service Manager

3/6/00
Date

Joel Grice
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Client Sample ID: MW-13 **Collected:** 3/1/00 2:30:00 P **SPL Sample ID:** 00030049-01

Site: BJ-Hobbs, Drum Soil Cuttings

Analyses/Method	Result	Rep.Limit		Dil. Factor	QUAL	Date Analyzed	Analyst	Seq. #
CORROSIVITY			MCL	SW9045C		Units: pH Units		
Corrosivity	8.7	0		1		03/02/00 18:30	EC	208106
IGNITABILITY			MCL	SW1010		Units: °F		
Ignitability	>210	0		1		03/03/00 0:00	SUB	208842
REACTIVE CYANIDE-SOLID			MCL	SW7.3.3.1		Units: mg/Kg		
Reactive Cyanide	ND	1		1		03/03/00 10:00	BN	208648
REACTIVE SULFIDE - SOLID			MCL	SW7.3.4.2		Units: mg/Kg		
Reactive Sulfide	ND	10		1		03/03/00 10:00	BN	208656

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution

Quality Control Documentation

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ- HOBBS

Analysis: Corrosivity
Method: SW9045C

WorkOrder: 00030049
Lab Batch ID: R10031

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00030049-01A	MW-13

Laboratory Control Sample (LCS)

RunID: WET_000302B-208105 Units: pH Units
Analysis Date: 03/02/2000 18:30 Analyst: EC

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Corrosivity	7	7	100	99	101

Sample Duplicate

Original Sample: 00030049-01
RunID: WET_000302B-208106 Units: pH Units
Analysis Date: 03/02/2000 18:30 Analyst: EC

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Corrosivity	8.7	8.6	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ- HOBBS

Analysis: Reactive Cyanide-Solid
Method: SW7.3.3.1

WorkOrder: 00030049
Lab Batch ID: R10082

Method Blank

RunID: WET_000303F-208646 Units: mg/Kg
Analysis Date: 03/03/2000 10:00 Analyst: BN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00030049-01A	MW-13

Analyte	Result	Rep Limit
Reactive Cyanide	ND	1.0

Sample Duplicate

Original Sample: 00030049-01
RunID: WET_000303F-208648 Units: mg/Kg
Analysis Date: 03/03/2000 10:00 Analyst: BN

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Cyanide	ND	ND	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
(713) 660-0901

Quality Control Report

Brown & Caldwell

BJ- HOBBS

Analysis: Reactive Sulfide - Solid
Method: SW7.3.4.2
WorkOrder: 00030049
Lab Batch ID: R10083

Method Blank

RunID: WET_000303G-208654 Units: mg/Kg
Analysis Date: 03/03/2000 10:00 Analyst: BN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
00030049-01A	MW-13

Analyte	Result	Rep Limit
Reactive Sulfide	ND	10

Sample Duplicate

Original Sample: 00030049-01
RunID: WET_000303G-208656 Units: mg/Kg
Analysis Date: 03/03/2000 10:00 Analyst: BN

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Reactive Sulfide	ND	ND	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
* - Recovery Outside Advisable QC Limits
D - Recovery Unreportable due to Dilution

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

SPL Quality Control Report

Flash Point by Cleveland Open Cup

DATE :	3/3/00	NUMBER OF SAMPLES:	2
METHOD:	ASTM D92	ANALYST:	T. BENZ
UNITS :	DEG. F		

SAMPLE I.D. IN QC BATCH:

00030049-01A	
00020748-01B	

REPLICATE SAMPLE I.D. :	RESULT (# 1) .F	DUPLICATE (# 2) .F	DIFFERENCE (#1 - #2) .F	QC LIMITS +/- 15 DEG. F
INSUFFICIENT				

REVIEWED BY		DATE:	
APPROVED BY	Fred De Angelis	DATE:	03/03/2000

Chain of Custody

And

Sample Receipt Checklist

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 00030049

097872

page ___ of ___

Client Name: BJ Services

Address/Phone:

Client Contact: Rick Johnson

Project Name: Drum Soil Cuttings

Project Number: Hobb Cleanup

Project Location: Hobbs

Invoice To:

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other:)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other:)	Number of Containers	RCI								
MW-13	3/1/00	2:30 p.m		X	soil	A	4oz	Ice	2	X								

Requested Analysis

RUSH

Client/Consultant Remarks:

Laboratory remarks:

Intact? ☑ Y ☐ N

Temp: 4

Requested TAT

24hr ☒ 72hr ☐

48hr ☐ Standard ☐

Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial): BAF

1. Relinquished by Sampler:	date	time	2. Received by:
3. Relinquished by: Fed Ex	date	time	4. Received by: Fed Ex
5. Relinquished by:	date	time	6. Received by Laboratory: Donna Stellen 3/2 1000

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

☐ 459-Hughes Drive, Traverse City, MI 49684 (616) 947-5777

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Southern Petroleum Laboratories, Inc.

Certificate of Analysis Number: 99-07-124

Approved for Release by:

Bernadette A. Fini, Senior Project Manager — 7-22-99 Date

Joel Grice
Laboratory Director

Ted Yen
Corporate Quality Assurance Director

The results relate only to the samples tested.
Results reported on a Wet Weight Basis unless otherwise noted.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9907124-02

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Rick Rexroad

DATE: 07/21/99

PROJECT: BJ Services
SITE: Hobbs,NM
SAMPLED BY: Brown and Caldwell
SAMPLE ID: MW-12D/13-Soil

PROJECT NO: 12832.021
MATRIX: SOIL
DATE SAMPLED: 06/30/99 10:02:00
DATE RECEIVED: 07/03/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Silver, Total Method 6010B *** Analyzed by: PB Date: 07/12/99 08:36:00	ND	1	mg/kg
Arsenic, Total Method 6010B *** Analyzed by: EG Date: 07/13/99 11:10:00	1.1	0.5	mg/kg
Barium, Total Method 6010B *** Analyzed by: PB Date: 07/12/99 08:36:00	67.9	0.5	mg/kg
Cadmium, Total Method 6010B *** Analyzed by: PB Date: 07/12/99 08:36:00	ND	0.5	mg/kg
Chromium, Total Method 6010B *** Analyzed by: PB Date: 07/12/99 08:36:00	17	1	mg/kg
Mercury, Total Method 7471A *** Analyzed by: RJB Date: 07/20/99 15:30:00	ND	0.1	mg/kg

.85 TCLP Est.

Method 6010 B

above

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9907124-02

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Rick Rexroad

DATE: 07/21/99

PROJECT: BJ Services
SITE: Hobbs,NM
SAMPLED BY: Brown and Caldwell
SAMPLE ID: MW-12D/13-Soil

PROJECT NO: 12832.021
MATRIX: SOIL
DATE SAMPLED: 06/30/99 10:02:00
DATE RECEIVED: 07/03/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Acid Digestion - Solids, ICP Method 3050B *** Analyzed by: MR Date: 07/07/99 07:30:00	07/07/99		
Lead, Total Method 6010B *** Analyzed by: EG Date: 07/13/99 11:10:00	0.9	0.5	mg/kg
Selenium, Total Method 6010B *** Analyzed by: EG Date: 07/13/99 11:10:00	ND	0.5	mg/kg
Solids CLP Inorganics SOW Analyzed by: AB Date: 07/08/99 10:00:00	77	1	%wt

ND - Not detected.

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Certificate of Analysis No. H9-9907124-03

Brown and Caldwell
1415 Louisiana
Houston, TX 77002
ATTN: Rick Rexroad

DATE: 07/21/99

PROJECT: BJ Services
SITE: Hobbs,NM
SAMPLED BY: Brown and Caldwell
SAMPLE ID: MW-12D-Soil

PROJECT NO: 12832.021
MATRIX: SOIL
DATE SAMPLED: 06/29/99 10:07:00
DATE RECEIVED: 07/03/99

ANALYTICAL DATA

PARAMETER	RESULTS	DETECTION LIMIT	UNITS
Gasoline Range Organics	ND	0.10 P	mg/kg
Surrogate	**% Recovery**		
4-Bromofluorobenzene	90		
1,4-Difluorobenzene	90		
Method 8015B *** for Gasoline			
Analyzed by: FAB			
Date: 07/11/99			
Total Petroleum Hydrocarbons-Diesel	ND	10 P	mg/kg
Surrogate	**% Recovery**		
n-Pentacosane	114		
Method 8015B *** for Diesel			
Analyzed by: RR			
Date: 07/15/99 02:31:00			
Sonication Extraction of DRO by 8015A	07/06/99		
Method 3550B ***			
Analyzed by: GT			
Date: 07/06/99 12:00:00			
Solids	90	1	%wt
CLP Inorganics SOW			
Analyzed by: AB			
Date: 07/08/99 10:00:00			

ND - Not detected. (P) - Practical Quantitation Limit

Notes: *Ref: Methods for Chemical Analysis of Water and Wastes, 1983, EPA
**Ref: Standard Methods for Examination of Water & Wastewater, 18th ed.
***Ref: Test Methods for Evaluating Solid Waste, EPA SW846, 3rd Ed.

QUALITY ASSURANCE: These analyses are performed in accordance with EPA guidelines for quality assurance.

** SPL BATCH QUALITY CONTROL REPORT **
Modified 8015B***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: mg/kg

Batch Id: HP_0990710173200

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Gasoline Range Organics	ND	1.0	0.92	92.0	53 - 137

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
GASOLINE RANGE ORGANICS	0.47	0.9	0.99	57.8	1.3	92.2	45.9	50	36 - 163

Analyst: fab
Sequence Date: 07/10/99
SPL ID of sample spiked: 9907279-04A
Sample File ID: OOG1184.TX0
Method Blank File ID:
Blank Spike File ID: OOG1178.TX0
Matrix Spike File ID: OOG1181.TX0
Matrix Spike Duplicate File ID: OOG1182.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (1st Q.'97)
(***) = Source: SPL-Houston Historical Data(1st Q.'97)

SAMPLES IN BATCH(SPL ID): 9907124-03A

** SPL BATCH QUALITY CONTROL REPORT **
Method Modified 8015B***

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Matrix: Soil
Units: mg/kg

Batch Id: HPVV990719124100

LABORATORY CONTROL SAMPLE

SPIKE COMPOUNDS	Method Blank Result <2>	Spike Added <3>	Blank Spike Result <1>	Blank Spike Recovery %	QC Limits(**) (Mandatory) % Recovery Range
Diesel	ND	166	180	108	77 - 145

MATRIX SPIKES

SPIKE COMPOUNDS	Sample Results <2>	Spike Added <3>	Matrix Spike Result <1>	Matrix Spike Recovery <4>	Matrix Spike Duplicate Result <1>	Matrix Spike Duplicate Recovery <5>	MS/MSD Relative % Difference	QC Limits(***) (Advisory) RPD Max.	QC Limits(***) (Advisory) Recovery Range
DIESEL	6525	166	5401	NC	7764	NC	NC	50	21 - 175

Analyst: RR
Sequence Date: 07/19/99
SPL ID of sample spiked: 9906C41-10A
Sample File ID: VVF5172.TX0
Method Blank File ID:
Blank Spike File ID: VVG1097.TX0
Matrix Spike File ID: VVF5173.TX0
Matrix Spike Duplicate File ID: VVF5174.TX0

* = Values outside QC Range due to Matrix Interference (except RPD)
« = Data outside Method Specification limits.
NC = Not Calculated (Sample exceeds spike by factor of 4 or more)
ND = Not Detected/Below Detection Limit
% Recovery = [(<1> - <2>) / <3>] x 100
LCS % Recovery = (<1> / <3>) x 100
Relative Percent Difference = |(<4> - <5> | / [(<4> + <5>) x 0.5] x 100
(**) = Source: SPL-Houston Historical Data (4TH Q '97)
(***) = Source: SPL-Houston Historical Data (4th Q '97)

SAMPLES IN BATCH(SPL ID): 9906C41-10A 9907124-03B

ICP

ICP Spectroscopy Method 6010 Quality Control Report

Analyst: PB

Matrix: Soil

Units: mg/Kg

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Date: 071299 Time:0836 File Name: 0712PB3

Laboratory Control Sample Lot#240

Element	Mth. Blank	True Value	Result	% Recovery	Lower Limit	Upper Limit
Silver	ND	34.1	32	95	25.4	42.9
Aluminum						
Arsenic						
Barium	ND	112	110	98	86.3	138
Beryllium	ND	77	73	95	60.4	93.7
Calcium						
Cadmium	ND	34.6	31	90	26.6	42.6
Cobalt	ND	59.8	57	96	47.5	72
Chromium	ND	108	104	96	79	136
Copper	ND	61.7	56	91	50.5	72.9
Iron						
Potassium						
Molybdenum	ND	65.8	63	96	50.3	81.2
Manganese						
Sodium						
Nickel	ND	48.4	47	97	37.9	58.9
Lead						
Antimony	ND	26.2	31	118	10	53.1
Selenium						
Tin	ND	82.7	80	96	61.5	104
Vanadium	ND	81.9	79	96	55.9	108
Zinc	ND	137	129	94	106	168

Work Orders in Batch

Work Order	Fractions
99-07-118	01B,02B
99-07-109	01A
99-07-124	02A

Matrix Spike - Spike Duplicate Results **Work Order Spiked: 9907118-01B**

Element	Sample Result	Spike Added	Matrix Spike Result	Matrix Spike Recovery	Matrix Spike Duplicate Result	Matrix Spike Duplicate Recovery	Q.C. Limits % Recovery		Spike RPD %	QC Limits %
Silver	ND	100	87.54	88	87.22	87	80	120	0.4	20.0
Aluminum										
Arsenic										
Barium	95.65	100	186.4	91	186.2	91	80	120	0.2	20.0
Beryllium	0.5451	100	88.75	88	89.11	89	80	120	0.4	20.0
Calcium										
Cadmium	ND	100	88.2	88	89.17	89	80	120	1.1	20.0
Cobalt	3.674	100	92.96	89	93.82	90	80	120	1.0	20.0
Chromium	7.191	100	103.9	97	104	97	80	120	0.1	20.0
Copper	5.142	100	93.18	88	92.97	88	80	120	0.2	20.0
Iron										
Potassium										
Molybdenum	ND	100	88.55	89	89.39	89	80	120	0.9	20.0
Manganese										
Sodium										
Nickel	6.172	100	97.49	91	98.67	92	80	120	1.3	20.0
Lead										
Antimony	ND	200	176.3	88	185.3	93	80	120	5.0	20.0
Selenium										
Tin	ND	200	176.3	88	176.3	88	80	120	0.0	20.0
Vanadium	14.52	100	114.3	100	114	99	80	120	0.3	20.0
Zinc	16.22	100	112.8	97	112.9	97	80	120	0.1	20.0

Elements Post Spiked: Sb

Checked PE 7/14/99

TRACE ICP

ICP Spectroscopy Method 6010 Quality Control Report

Analyst: EG

Matrix: Soil

Units: mg/Kg

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

Date: 071399 Time:1110 File Name: 0713PB2

Laboratory Control Sample Lot#240

Element	Mth. Blank	True Value	Result	% Recovery	Lower Limit	Upper Limit
Silver						
Aluminum						
Arsenic	ND	36.5	36	99	27.2	45.9
Barium						
Beryllium						
Calcium						
Cadmium						
Cobalt						
Chromium						
Copper						
Iron						
Molybdenum						
Manganese						
Nickel						
Lead	ND	50.2	49	97	35.7	64.7
Antimony	ND	26.2	32	121	0.5	53.1
Selenium	ND	45.7	41	90	33	58.4
Thallium						
Vanadium						
Zinc						

Work Orders in Batch

Work Order	Fractions
99-07-118	01B,02B
99-07-124	02A

Matrix Spike - Spike Duplicate Results **Work Order Spiked: 9907118-01B**

Element	Sample Result	Spike Added	Matrix Spike Result	Matrix Spike Recovery	Matrix Spike Duplicate Result	Matrix Spike Duplicate Recovery	Q.C. Limits % Recovery		Spike RPD %	QC Limits %
Silver										
Aluminum										
Arsenic	2.416	200	174.7	86	176.3	87	80	120	0.9	20.0
Barium										
Beryllium										
Calcium										
Cadmium										
Cobalt										
Chromium										
Copper										
Iron										
Molybdenum										
Manganese										
Nickel										
Lead	4.407	100	92.02	88	92.47	88	80	120	0.5	20.0
Antimony	ND	200	190.1	95	191.2	96	80	120	0.6	20.0
Selenium	ND	200	163.7	82	164.4	82	80	120	0.4	20.0
Thallium										
Vanadium										
Zinc										

Elements Post Spiked: Sb

Checked BG 7/14/99

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

** SPL QUALITY CONTROL REPORT **

Matrix: Solid

Reported on: 07/21/99
Analyzed on: 07/20/99
Analyst: RJB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, Total
Method 7471A ***

SPL Sample ID Number	Blank Value mg/Kg	Certified Value mg/Kg	Measured Concentration mg/Kg	Mandatory Range of Measured Concentration
LCS	ND	1.00	1.12	0.61 - 1.39

FIAS990720153000-9907B30

Samples in batch:

9907499-01A	9907501-01A	9907503-01A	9907504-01A
9907505-01A	9907589-01G	9907653-01C	9907695-01A
9907695-03A	9907695-05A	9907789-01A	9907797-04A
9907799-01A	9907799-02A	9907799-03A	9907799-04A
9907799-05A	9907799-06A		

COMMENTS:
Sample chosen for spiking exhibited an abosrptive effect on the spikes added. Control limits do not apply.

NC = Not calculated

LAFAYETTE AREA LAB
500 AMBASSADOR CAFFERY PKWY.
SCOTT, LOUISIANA
ZIP 70583-8544
PHONE: (318) 237-4775

** SPL QUALITY CONTROL REPORT **

Matrix: Solid

Reported on: 07/21/99
Analyzed on: 07/20/99
Analyst: RJB

This sample was randomly selected for use in the SPL quality control program. Samples chosen are fortified with a known concentration in duplicate. The results are as follows:

Mercury, Total
Method 7471A ***

SPL Sample ID Number	Method Blank mg/Kg	Sample Result mg/Kg	Spike Added mg/Kg	Matrix Spike Result mg/Kg	Matrix Spike Recovery %	Matrix Spike Duplicate Result mg/Kg	Matrix Spike Duplicate Recovery %	RPD (%)	QC LIMITS (Advisory) RPD Max	QC LIMITS (Advisory) % REC
9907789-01A	ND	ND	1.25	NC	0	NC	0	0	20	80 -120

FIAS990720153000-9907B29

Samples in batch:

9907499-01A	9907501-01A	9907503-01A	9907504-01A
9907505-01A	9907589-01G	9907653-01C	9907695-01A
9907695-03A	9907695-05A	9907789-01A	9907797-04A
9907799-01A	9907799-02A	9907799-03A	9907799-04A
9907799-05A	9907799-06A		

COMMENTS:
Sample chosen for spiking exhibited an abosrptive effect on the spikes added. Control limits do not apply.

NC = Not calculated

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TEXAS 77054
PHONE (713) 660-0901

** SPL QUALITY CONTROL REPORT **

Matrix: Soil

Reported on: 07/09/99
Analyzed on: 07/08/99
Analyst: AB

This sample was randomly selected for use in the SPL quality control program. The results are as follows:

Solids
CLP Inorganics SOW

-- DUPLICATE ANALYSIS --

SPL Sample ID	Original Sample Concentration %wt	Duplicate Sample %wt	RPD	RPD Max.
9907109-01A	100	100	0	20

-9907114

Samples in batch:

9907109-01A	9907112-02B	9907118-01B	9907118-02B
9907124-02A	9907124-03B	9907149-01A	9907179-01B

COMMENTS:

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 9907124

106873

page 1 of 1

Client Name: Brown and Caldwell 713-759-0999

Address/Phone: 1415 Louisiana #2500 Houston TX 77002

Client Contact: Rick Rexroad

Project Name: BJ Services

Project Number: 12832.021

Project Location: Hobbs, N. Mexico

Invoice To: Rick Rexroad

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil SL=sludge O=other)	bottle (P=plastic A=amber glass G=glass V=vial)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz)	pres. (1=HCl 2=HNO3 3=H2SO4 O=other)	Number of Containers	TPH-G (8015)	TPH-D (8015)	RCRA Metals (6010/6020/7000 Soil)	VOCs (8260)	Methane (RSK-SOP-147/175)	Cations (Ca, Mg, K, Na) 6010	carbonate/bicarbonate (4500 CO2-D); chloride (325.3)	SVOCs (8270)	PAHs (8310)
MW13-Soil	6/29/99	1252	X		S	G	4	none	2	X	X							
MW 12D/13-Soil	6/30/99	1002	X		↓	↓	↓	↓	1			X						
MW 12D-Soil	↓	1007	X		↓	↓	↓	↓	2	X	X							
MW-12D	7/2/99	1050		X	W	P	40,1	1,2,None	13	X	X	X	X	X	X	X	X	X
MW-12D	↓	1340		X	W	P	1	none	1									
Trip Blank #2	↓	1420		X	W	V	40	none	2				X					

RUSH

Client/Consultant Remarks: FedEx Airbill #811305335300

Laboratory remarks:

Intact? ☑ Y ☐ N

Temp: 4

Requested TAT: 24hr ☐ 72hr ☐ 48hr ☐ Standard ☒ Other ☐ _____

Special Reporting Requirements: Fax Results ☒ Raw Data ☐ Standard QC ☒ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial): BAF

1. Relinquished by Sampler: Richard Rexroad — date 7/2/99 — time 1530

2. Received by:

3. Relinquished by: — date — time

4. Received by:

5. Relinquished by: — date — time

6. Received by Laboratory: 7/3/99 1000

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901

☐ 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: [XX] Non-Exempt: [ ]	4. Generator CHEVRON USA PRODUCTION COMPANY
Verbal Approval Received: Yes [ ] No [ ]	5. Originating Site EMSU - B #855
2. Management Facility Destination RHINO ENVIRONMENTAL SERVICES, INC.	6. Transporter RHINO ENV. SERVICES
3. Address of Facility Operator P. O. BOX 25547 ALBUQUERQUE, NM 87125	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) UNIT E, SEC. 11, T20S, R36E	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

THIS WASTE STREAM WAS GENERATED AS A RESULT OF CLEANUP OPERATION OF OIL AND WATER PRODUCED FROM FLOWLINE LEAK.

Estimated Volume 1500 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: SR. PROJECT MANAGER DATE: 06/20/00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN HODGE TELEPHONE NO. (505)392-4498

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environmental Engineer Specialist DATE: 06-21-00

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: CHEVRON USA PROD. CO. PERMIAN BASIN BUSINESS UNIT 2401 AVENUE O P. O. BOX 1949 EUNICE NM 88231	3. Location (Street Address &/or ULSTR): UNIT E, SEC. 11, T20S, R36E
2. Originating Site (Name): EMSU - B #855	4. Destination Name: Rhino Commercial Landfarm 8 miles S. E. Hobbs Lea County, NM

5. Source and Description of Waste

I, RICHARD W. MASSEY representative for CHEVRON USA PRODUCTION COMPANY do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

X EXEMPT oilfield waste

___NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___MSDS Information
___RCRA TCLP Analysis
___Chain of Custody
___Other (Description)

Name (Signature): Richard W. Massey

Printed Name: Richard W. Massey

Title: Field Compliance Specialist

Date: 6/20/00

Attach list of originating sites as appropriate.

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

RECEIVED
MAR 16 2000
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON
Verbal Approval Received: Yes ☑ 10:05 3-16-00 No ☐	5. Originating Site MONAHANS YARD
2. Management Facility Destination RHINO OCD FARM	6. Transporter RHINO ENV. SERV
3. Address of Facility Operator PO BOX 4232 ANTHONY, NM 88021-4232	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) LOT 6 BLOCK B	RUTH ST. MONAHANS, TX

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL: THIS MATERIAL WAS GENERATED AS A RESULT OF CLEAN UP OPERATION OF THE OLD HALLIBURTON YARD THAT IS LOCATED IN MONAHANS, TX

Estimated Volume 450 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: SR PROJECT MANAGER DATE: 3-10-00
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: ALLEN NODGE TELEPHONE NO. 505-392-4498

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environ Eng Specialist DATE: 03/15/00

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3/17/00

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: Halliburton Energy Services 4100 Clinton Drive Bldg. 03-1167 H Houston, TX 77020-6737	3. Location (Street Address &/or ULSTR): (No Street Address) Lot 6 with Portions of Lots 5 & 7, Block B. Monahans Industrial Subdivision, Ruth Street, Monahans, TX
2. Originating Site (Name): Former IMCO Facility	4. Destination Name: Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste Residual oil-based drilling mud & water-based drilling mud from 500 BBL storage tanks at the former IMCO mixing facility.

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

___ EXEMPT oilfield waste

X NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

X MSDS Information
X RCRA TCLP Analysis
X Chain of Custody
N/A Other (Description)

Name (Signature): [signature]

Printed Name: Rick D. Smith

Title: Geologist

Date: 3-9-00

Attach list of originating sites as appropriate.

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9886 • 1-800-988-1186

March 08, 2000

Rick Smith
Tetra Tech EM, Inc. -Dallas
350 N. St. Paul
Suite 2600
Dallas, TX 75201
TEL: 214-740-2053 FAX: 214-922-9715

Work Order: 0003040
Project: Halliburton - IMCO

Dear Client:

Anachem, Inc. received 3 samples on 03/02/2000 for the analyses presented in the following report.

The samples were analyzed for the following tests:

- Corrosivity (EPA 9040)
- Ignitability - Solid
- Mercury Digestion (EPA 7470)
- Reactivity (Full)
- TCLP MERCURY (EPA 7470)
- TCLP Microwave Digestion (EPA 3015)
- TCLP RCRA MERCURY (EPA 7470)
- TCLP RCRA Metals (EPA 6010)
  - Arsenic
  - Barium
  - Cadmium
  - Chromium
  - Lead
  - Selenium
  - Silver
- TCLP Sample Prep (Metals)
- TCLP Sample Prep (Organics)
- TCLP Semivolatiles-SOIL
- TCLP Volatiles - Solid

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9888 • 1-800-966-1186

March 08, 2000

Rick Smith
Tetra Tech EM, Inc. -Dallas
Work Order: 0003040
Project: Halliburton - IMCO
TCLP Volatiles-LIQUID
TCLP ZHE (Volatile Extraction)
TPH by EPA 418.1 - Aqueous
TPH by EPA 418.1 - Solid

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

Howard H. Hayden, B.S.
Chemist

Anachem, Inc.

Date: *08-Mar-00*

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 0003040
Project: Halliburton - IMCO

Analyses	Result	Limit	Units		Date Analyzed
Lab ID: 0003040-01A					
Client Sample ID: AST Fluid		**Collection Date:**		2/29/00	
Location: Monahans, TX		**Matrix:**		WATER	
0003040-01A	**TCLP VOLATILES-LIQUID**			**Prep Date**	**Analyst: HH**
1,1-Dichloroethene	ND	0.1	mg/L		3/3/00
1,2-Dichloroethane	ND	0.1	mg/L		3/3/00
1,4-Dichlorobenzene	ND	0.1	mg/L		3/3/00
2-Butanone	ND	0.1	mg/L		3/3/00
Benzene	ND	0.1	mg/L		3/3/00
Carbon tetrachloride	ND	0.1	mg/L		3/3/00
Chlorobenzene	ND	0.1	mg/L		3/3/00
Chloroform	ND	0.1	mg/L		3/3/00
Tetrachloroethene	ND	0.1	mg/L		3/3/00
Trichloroethene	ND	0.1	mg/L		3/3/00
Vinyl chloride	ND	0.1	mg/L		3/3/00
0003040-01A	**TPH BY EPA 418.1 - AQUEOUS**			**Prep Date** 3/6/00	**Analyst: AT**
Petroleum Hydrocarbons, TR	830	0.5	mg/L		3/8/00
Lab ID: 0003040-02A					
Client Sample ID: TBS-1 (Tank Bottom Stockpile)		**Collection Date:**		2/29/00	
Location: Monahans, TX		**Matrix:**		SOIL	
0003040-02A	**CORROSIVITY (EPA 9040)**			**Prep Date**	**Analyst: SD**
pH	9	0.005	pH Units		3/6/00
0003040-02A	**IGNITABILITY - SOLID**			**Prep Date**	**Analyst: SD**
Ignitability	ND	1	°F		3/6/00
FLASH POINT = >150F					
0003040-02A	**REACTIVITY (FULL)**			**Prep Date**	**Analyst: SD**
Cyanide, Reactive	ND	0.1	mg/Kg		3/6/00
Reactivity to Acid	ND	0	mg/Kg		3/6/00
Reactivity to Air	ND	0	mg/Kg		3/6/00
Reactivity to Alkali	ND	0	mg/Kg		3/6/00
Reactivity to Water	ND	0	mg/Kg		3/6/00
Sulfide, Reactive	375	0.3	mg/Kg		3/6/00
0003040-02A	**TCLP MERCURY (EPA 7470)**			**Prep Date** 3/3/00 11:2	**Analyst: BMC**
Mercury	ND	0.0004	mg/L		6/3/00

Qualifiers: ND - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *08-Mar-00*

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 0003040
Project: Halliburton - IMCO

Analyses	Result	Limit	Units		Date Analyzed
0003040-02A TCLP RCRA METALS (EPA 6010)				**Prep Date** 3/3/00 12:0	**Analyst: BMC**
Arsenic	ND	0.025	mg/L		3/3/00
Barium	0.332	0.003	mg/L		3/3/00
Cadmium	ND	0.003	mg/L		3/3/00
Chromium	0.013	0.003	mg/L		3/3/00
Lead	ND	0.037	mg/L		3/3/00
Selenium	ND	0.037	mg/L		3/3/00
Silver	ND	0.025	mg/L		3/3/00
0003040-02A TCLP SEMIVOLATILES-SOIL				**Prep Date** 3/4/00	**Analyst: HH**
2,4,5-Trichlorophenol	ND	0.1	mg/L		3/6/00
2,4,6-Trichlorophenol	ND	0.1	mg/L		3/6/00
2,4-Dinitrotoluene	ND	0.1	mg/L		3/6/00
Cresols, Total	ND	1	mg/L		3/6/00
Hexachlorobenzene	ND	0.1	mg/L		3/6/00
Hexachlorobutadiene	ND	0.1	mg/L		3/6/00
Hexachloroethane	ND	0.1	mg/L		3/6/00
Nitrobenzene	ND	0.1	mg/L		3/6/00
Pentachlorophenol	ND	0.1	mg/L		3/6/00
Pyridine	ND	0.1	mg/L		3/6/00
0003040-02A TCLP VOLATILES - SOLID				**Prep Date**	**Analyst: MC**
1,1-Dichloroethene	ND	0.1	mg/L		3/6/00
1,2-Dichloroethane	ND	0.1	mg/L		3/6/00
1,4-Dichlorobenzene	ND	0.1	mg/L		3/6/00
2-Butanone	ND	0.1	mg/L		3/6/00
Benzene	ND	0.1	mg/L		3/6/00
Carbon tetrachloride	ND	0.1	mg/L		3/6/00
Chlorobenzene	ND	0.1	mg/L		3/6/00
Chloroform	ND	0.1	mg/L		3/6/00
Tetrachloroethene	ND	0.1	mg/L		3/6/00
Trichloroethene	ND	0.1	mg/L		3/6/00
Vinyl chloride	ND	0.1	mg/L		3/6/00
0003040-02A TPH BY EPA 418.1 - SOLID				**Prep Date** 3/7/00	**Analyst: AT**
Petroleum Hydrocarbons, TR	85000	10	mg/Kg		3/7/00

Lab ID: 0003040-03A
Client Sample ID: BAS-1 (Barium Area Stockpile) **Collection Date:** 2/29/00
Location: Monahans, TX **Matrix:** SOIL

0003040-03A CORROSIVITY (EPA 9040)				**Prep Date**	**Analyst: SD**
pH	7	0.005	pH Units		3/6/00
0003040-03A IGNITABILITY - SOLID				**Prep Date**	**Analyst: SD**
Ignitability	ND	1	°F		3/6/00

FLASH POINT = >150F

Qualifiers: ND - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank

Anachem, Inc. **Date:** *08-Mar-00*

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 0003040
Project: Halliburton - IMCO

Analyses		Result	Limit	Units		Date Analyzed
0003040-03A	REACTIVITY (FULL)				Prep Date	Analyst: SD
Cyanide, Reactive		ND	0.1	mg/Kg		3/6/00
Reactivity to Acid		ND	0	mg/Kg		3/6/00
Reactivity to Air		ND	0	mg/Kg		3/6/00
Reactivity to Alkali		ND	0	mg/Kg		3/6/00
Reactivity to Water		ND	0	mg/Kg		3/6/00
Sulfide, Reactive		72.1	0.3	mg/Kg		3/6/00
0003040-03A	TCLP RCRA MERCURY (EPA 7470)				Prep Date	Analyst: BMC
Mercury		ND	0.0004	mg/L		3/3/00
0003040-03A	TCLP RCRA METALS (EPA 6010)				Prep Date 3/3/00 12:0	Analyst: BMC
Arsenic		ND	0.025	mg/L		3/3/00
Barium		0.406	0.003	mg/L		3/3/00
Cadmium		ND	0.003	mg/L		3/3/00
Chromium		ND	0.003	mg/L		3/3/00
Lead		ND	0.037	mg/L		3/3/00
Selenium		ND	0.037	mg/L		3/3/00
Silver		ND	0.025	mg/L		3/3/00

Qualifiers: ND - Not Detected at the Reporting Limit
B - Analyte detected in the associated Method Blank

Date: *08-Mar-00*

Anachem, Inc.

QC SUMMARY REPORT

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 0003040
Project: Halliburton - IMCO

TPH by EPA 418.1 - Solid Units: mg/Kg Analysis Date: 3/7/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Petroleum Hydrocarbons, TR		2692	2900			0.3%	

Anachem, Inc.

Date: 08-Mar-00

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 0003040
Project: Halliburton - IMCO

QC SUMMARY REPORT

TCLP RCRA MERCURY (EPA 7470) Units: mg/L Analysis Date: 3/3/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	0.04	84.5%	85.7%	75%	125%	1.5%	15

TCLP RCRA Metals (EPA 6010) Units: mg/L Analysis Date: 3/3/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Arsenic	5	85.9%	85.9%	75%	125%	0.0%	15
Barium	5	79.2%	81.6%	75%	125%	3.0%	15
Cadmium	5	82.8%	85.6%	75%	125%	3.3%	15
Chromium	5	80.3%	82.9%	75%	125%	3.1%	15
Copper	5	86.7%	85.3%	75%	125%	0.5%	15
Iron	5	78.2%	82.4%	75%	125%	2.9%	15
Lead	5	82.7%	84.7%	75%	125%	2.4%	15
Manganese	5	84.3%	83.9%	75%	125%	0.5%	15
Molybdenum	5	83.2%	84.2%	75%	125%	1.2%	15
Nickel	5	78.2%	81.0%	75%	125%	3.3%	15
Selenium	5	83.9%	84.7%	75%	125%	1.0%	15
Silver	5	84.8%	87.5%	75%	125%	3.2%	15
Zinc	5	84.9%	87.9%	75%	125%	3.4%	15

Reactivity (Full) Units: mg/Kg Analysis Date: 3/6/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Cyanide, Reactive	2	80.3%	84.3%	50%	150%	5.9%	15
Sulfide, Reactive	500	75.0%	78.2%	50%	150%	4.2%	15

Anachem, Inc.

Date: *08-Mar-00*

CLIENT: Tetra Tech EM, Inc. -Dallas
Work Order: 0003040
Project: Halliburton - IMCO

QC SUMMARY REPORT

Volatiles by EPA 8260 - Aqueous Units: µg/L Analysis Date: 3/3/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
1,1-Dichloroethene	20	132.4%	129.2%	20%	234%	3.2%	25
Benzene	20	110.8%	108.7%	37%	151%	1.9%	25
Chlorobenzene	20	98.1%	97.0%	37%	160%	1.2%	25
Toluene	20	99.4%	97.1%	47%	150%	2.3%	25
Trichloroethene	20	100.1%	98.2%	71%	157%	1.9%	25

Semivolatiles by EPA 8270 - Aqueous Units: µg/L Analysis Date: 3/6/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2-Chlorophenol	100000	101.4%	93.4%	23%	145%	8.3%	31
Acenaphthene	50000	109.3%	104.3%	47%	145%	4.7%	31
Phenol	100000	84.5%	78.6%	10%	120%	7.3%	42
Pyrene	50000	104.0%	90.1%	52%	125%	14.4%	31

TCLP Volatiles-LIQUID Units: ug/L Analysis Date: 3/8/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
1,1-Dichloroethene	20	101.3%	99.1%	20%	234%	2.1%	25
Benzene	20	93.1%	96.1%	37%	151%	3.2%	25
Chlorobenzene	20	92.4%	94.2%	37%	160%	1.9%	25
Trichloroethene	20	92.8%	94.4%	71%	157%	2.0%	25

TPH by EPA 418.1 - Aqueous Units: mg/L Analysis Date: 3/8/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Petroleum Hydrocarbons, TR	43.2	75.0%	73.1%	60%	140%	2.5%	30

Material Safety Data Sheet

Page:

DIESEL FUELS

Last Revision Date: 09/01/
Date Entered: 06/21/

I. IDENTIFICATION

Issued by: MOBIL OIL CORPORATION
Manufacturer's Name: MOBIL OIL CORPORATION
Street: P.O. BOX 1031
City: PRINCETON State: NJ Zip: 08540
Emergency Phone: (212) 883-4411 Regular Phone:

These are ranked on a scale from 0 to 4.

Fire/Explosion Hazard	2
Reactivity Hazard	0
Acute Health Hazard	0

Least = 0 High = 3
Slight = 1 Extreme = 4
Moderate = 2 Unknown = ?

Listed Carcinogen ?: ?
CAS #: CODE:
Product Name: DIESEL FUELS
Trade Name: DIESEL FUELS
Synonyms or Other Designations: hydrocarbons and additives
C ical Family: hydrocarbons and additives
Formula:
Description:
fuel oil; clear liquid, hydrocarbon odor

II. INGREDIENTS

HAZARDOUS INGREDIENTS:	WT PCT (APPROX)	EXPOSURE LIMIT MG/M3	(TWA): PPM	EXPOSURE LIMIT SOURCE:
Petroleum Distillates	100	575	100	MOBIL RECOMMENDED

NOTE: EXPOSURE LIMITS SHOWN ARE FOR GUIDANCE ONLY.
FOLLOW APPLICABLE REGULATIONS.

III. PHYSICAL PROPERTIES

TYPICAL CHEMICAL AND PHYSICAL PROPERTIES:

(FOR ADDITONAL INFORMATION PLEASE CONTACT YOUR LOCAL MARKETING OFFICE.)

APPEARANCE: Clear Liquid

VISCOSITY: AT 100 F, SUS 31.0-40.0 AT 40 C, CST 1.3-4.1

ODOR: Hydrocarbon

BOILING RANGE: NO. 1 300-550F
NO. 2 350-700F

SOLUBILITY IN WATER: Negligible

RELATIVE DENSITY: 15/4C

FLASH POINT: F (C) (ASTM D-93)
NO. 1: 100(40) NO. 2: 125(52)

VAPOR PRESSURE: MM HG 20C
1.0

IV. FIRE and EXPLOSION HAZARDS

FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: F(C) (ASTM D-93)
NO. 1: 100(40) NO2: 125(-52)

FLAMMABLE LIMITS:
LEL: NE UEL: NE

NFPA CODES: HEALTH 0
FLAMMABILITY 2
REACTIVITY 0

EXTINGUISHING MEDIA: CO2, foam, dry chemical or water fog

SPECIAL FIRE FIGHTING PROCEDURES:
Firefighters must use self-contained breathing apparatus

UNUSUAL FIRE AND EXPLOSTION HAZARDS:
Material is combustible.

V. REACTIVITY DATA

STABILITY: Stable

CONDTIONS TO AVOID: Heat, sparks, flame and build up of static electricity

INCOMPATIBILITY (materials to avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon monoxide (CO) from incomplete combustion

HAZARDOUS POLYMERIZATION: Will not occur CONDITIONS TO AVOID: NA

VI. HEALTH HAZARDS

HEALTH HAZARD SUMMARY:

THRESHOLD LIMIT VALUE (IF ESTABLISHED):
No TLV established. Mobil racommends a TWA exposure limit of 100 ppm

EFFECTS OF OVEREXPOSURE:
Slight skin irritation. Respiratory irritation, dizziness, nausea, loss of consciousness. This product may contain trace quantities of polycyclic aromatic hydrocarbons (PCAH). Under conditions of poor personal hygiene and prolonged, repeated contact, some PCAH have been suspected as a cause of skin cancer in humans.

EMERGENCY AND FIRST AID PROCEDURES:
EYE CONTACT: Flush with water
SKIN CONTACT: Wash contact areas with soap and water
INHALATION: Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, use mouth to mouth resuscitation.
INGESTION: Do NOT induce vomiting. Administer vegetable oil. Get medical assistance.
(NOTE TO PHYSICIAN: Material if aspirated into the lungs may cause chemical pneumonitis. Treat appropriately)

VII. PROCEDURES for SPILLS, LEAKS, and CLEANUP

SPILL OR LEAK PROCEDURES:

ENVIRONMENTAL IMPACT: Report spills as required to appropriate authorities. In case of accident or road spill notify CHEMTREC (800) 424-9300. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Coast Guard Toll Free Number 800-424-8802.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:
Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

WASTE MANAGEMENT:
Dispose of waste by supervised incineration in compliance with applicable laws and regulations.

VIII. SPECIAL PROTECTIVE MEASURES

SPECIAL PROTECTION INFORMATION:

EYE PROTECTION: No special equipment required
SKIN PROTECTION: If prolonged or repeated skin contact is likely, oil impervious gloves should be worn. Good personal hygiene practices should always be followed.
RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.
VENTILATION: Ventilation desirable and equipment should be explosion proof. Use in well ventilated area.
OTHER: NA

IX. SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS:
Stored material must be labeled as: COMBUSTIBLE
STORAGE: Store in a cool area.

X. MISCELLANEOUS DATA

TOXICOLOGICAL DATA: ACUTE

ORAL TOXICITY: (RATS)
Slightly toxic (estimated) -- based on testing on similar products and/or the components.

DERMAL TOXICITY: (RABBITS)
Nontoxic (estimated) -- based on testing of similar products and/or the components.

INHALATION TOXICITY: (RATS)
Slightly toxic (estimated) -- based on testing of similar products and/or the components.

EYE IRRITATION: (RABBITS)
Expected to be non-irritating -- based on testing of similar products and/or the components.

SKIN IRRITATION: (RABBITS)
May cause slight irritation on prolonged or repeated contact. Based on testing of similar products and/or the components.

SUBACUTE AND MUTAGENICITY (SUMMARY)
NO INFORMATION AVAILABLE

CHRONIC OR SPECIALIZED (SUMMARY)
-THIS PRODUCT MAY CONTAIN TRACE QUANTITIES OF POLYCYCLIC AROMATIC HYDROCARBONS, SOME OF WHICH HAVE BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS AFTER PROLONGED, REPEATED SKIN CONTACT.

OTHER DATA
NA

END OF MSDS FOR :
DIESEL FUELS

Oil & Gas Division

RAILROAD COMMISSION OF TEXAS

02/29/2000

RHINO ENVIRONMENTAL SERVICES INC
P O BOX 25547
ALBUQUERQUE NM 87125

RE: Operator No. 704830
Telephone No. (505) 882-0449

The above listed new operator number is assigned to your organization name as filed on the Organization Report (Form P-5). Where applicable, this operator number should be used on future filings, forms and correspondence with the Commission.

Please verify the name, address, and phone number listed above and notify us if there are any discrepancies. It is important that we agree on the exact spelling of your name (even the punctuation and spaces) so that the processing of your forms will not be delayed.

Subsequent refilings of the Form P-5 may be necessary on an annual basis, at which time you will receive notification from us. If there is a change in the required information as reported on the Form P-5, please file an amended report showing the corrections.

Yours very truly,

M. Dikrigoz

Permitting Services

Post-It® Fax Note 7671	Date 3/14/00	# of pages ▶
To Donna Williams	From D. Berardelli	
Co./Dept. OCD-Dist. I	Co. Rhino	
Phone # 393-6161	Phone # 644-2158	
Fax # 393-0720	Fax # 882-0563	

RAILROAD COMMISSION OF TEXAS

OIL AND GAS DIVISION

February 29, 2000

Rhino Environmental Services Inc.
P O Box 25547
Albuquerque, NM 87125

RE: Waste Hauler's Permit No. 3314

Enclosed is the referenced permit. Your application did not include a Form WH-3; therefore, per Permit Condition B, this permit only authorizes the disposal of oil and gas waste at the following disposal/injection systems:

- disposal systems operated under authority of a minor permit issued by the Commission; and
- disposal systems permitted by another state agency or another state.

Should you wish to dispose of oil and gas waste at any other Commission approved disposal/injection system, you must file a Form WH-3 for each unique system operator name.

Please call Glenda Babola at (512) 463-6818 should you have any questions.

cc District 08, Midland

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Environmental Services
P.O. Box 12967
Austin, Texas 78711-2967

150 2-29-00 90

APPLICATION FOR OIL AND GAS WASTE HAULER'S PERMIT

WH-1
Rev. 4/94

TYPE OR PRINT USING BLACK OR DARK BLUE INK

READ INSTRUCTIONS BELOW

1. Hauler name and address exactly as shown on P-5 organization report, including city, state, and zip code.

Rhino Environmental Services Inc
P.O. Box 25547
Albuquerque, NM 87125

2. Hauler P-5 organization no.

704830

3. Purpose of filing
☑ Initial permit application
☐ Amendment of permit no. _____
☐ Annual renewal of permit no. 3314

4. Number designation of all Railroad Commission districts where the hauler will pick up, transport or dispose of wastes.

5. Number designation of all Railroad Commission districts with yards where hauler vehicles are housed.

N/A

CERTIFICATION: I certify that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that the data and facts stated herein are true, correct, and complete to the best of my knowledge. If the above-named hauler is a corporation, I further certify that it is either subject to and not delinquent on the State of Texas Franchise Tax or exempt from or not subject to the tax.

Signature _____ Name (type or print) Daniele Berardelli

Title General Manager Phone (505)882-0449 Date 2/26/00

INSTRUCTIONS

Form WH-1: Application for Oil and Gas Waste Hauler's Permit
Reference: Statewide Rule 8(f)

WHO MUST FILE

A person who transports oil and gas waste for hire by any method other than by pipeline off a lease, unit, or other oil and gas property for disposal as required by Statewide Rule 8(f).

NOTE: A person may haul oil and gas waste for use in connection with drilling or servicing an oil or gas well without obtaining an oil and gas waste hauler permit.

PERMIT APPLICATION FEE

A non-refundable fee of $100 must be filed with each application for issuance, renewal, or material amendment of an oil and gas waste hauler permit. The check or money order should be made payable to "Treasurer, State of Texas." The following are not considered to be material amendments of an existing permit: addition or deletion of vehicles on the WH-2 and addition or deletion of an approved disposal/injection system on a WH-3.

INITIAL PERMIT APPLICATION

1. File a Form P-5, Organization Report, along with appropriate financial security with the Commission in Austin.
2. File an original of each of the following forms with the Commission's Director of Environmental Services in Austin as soon as you have received your P-5 organization number:
   - Form WH-1: Application for Oil and Gas Waste Hauler's Permit.
   - Form WH-2: Oil and Gas Waste Hauler's List of Vehicles.
   - Form WH-3: Oil and Gas Waste Hauler's Authority to Use an Approved Disposal/Injection System.

See General Instructions below.

RENEWAL PROCEDURES

The Commission's Austin office will mail a renewal notice to you approximately 60 days before your permit expires. The notice will include a pre-printed Form WH-1, preliminary lists of approved vehicles and approved disposal/injection systems, and instructions on the renewal process. See General Instructions below.

GENERAL INSTRUCTIONS

1. When the completed application is approved, the original Form WH-1 will be returned to you and will serve as your permit. At the same time, you will receive Permit Attachment A (Waste Hauler Vehicle Identification) and Permit Attachment B (Approved Disposal/Injection Systems). Each vehicle must carry a copy of the permit including those parts of the Commission-issued attachments listing approved vehicles and Commission-permitted disposal systems that are relevant to that vehicle's activities.
2. You must file a Form WH-3 with the Commission in Austin before using any system that is not shown on your current Permit Attachment B (Approved Disposal/Injection Systems). After the Form WH-3 is approved, you will be sent a revised Permit Attachment B with that system included.

FRANCHISE TAX CERTIFICATION: House Bill 175 (70th Legislature) states that a corporation may not be granted a permit unless it is current on Franchise Tax payment or is exempt from or not subject to the tax. A false certification will result in permit revocation.

H-2190 (R)

OIL AND GAS WASTE HAULER'S PERMIT

(To be completed by the Commission)

Permit No. 3314 is hereby issued to RHINO ENVIRONMENTAL SERVICES INC subject to the conditions below.

PERMIT CONDITIONS

A. This permit authority is limited to the hauling, handling, and disposal of oil and gas waste off a lease, unit, or other oil and gas property.

B. This permit authorizes the permitted hauler to dispose of oil and gas waste only at the following disposal/injection systems:

- Commission-permitted disposal/injection systems for which a Form WH-3 has been submitted and which are listed on Permit Attachment B, Approved Disposal/Injection Systems;
- disposal systems operated under authority of a minor permit issued by the Commission; and
- disposal systems permitted by another state agency or another state provided the Commission has granted separate authorization for the disposal.

C. Each vehicle must be marked on both sides and in the rear with the permitted hauler's name (exactly as shown on the P-5 organization report) and permit number in characters not less than three inches high.

D. This permit authorizes the permitted hauler to use only those vehicles shown on the Commission-issued listing of approved vehicles (Permit Attachment A, Waste Hauler Vehicle Identification).

E. Each vehicle must carry a copy of this permit along with a copy of those parts of Permit Attachment A (Waste Hauler Vehicle Identification) and Permit Attachment B (Approved Disposal/Injection Systems) that are relevant to that vehicle's activities.

F. Each vehicle must be operated and maintained in such a manner as to prevent spillage, leakage, or other escape of oil and gas waste during transportation.

G. The permitted hauler must make each vehicle available for inspection upon request by Commission personnel.

H. The permitted hauler must compile and keep current a list of all persons by whom the permitted hauler is hired to haul and dispose of oil and gas waste and furnish such list to the Commission upon request.

I. The permitted hauler must adequately train all drivers to ensure compliance with Commission rules, including recordkeeping requirements, and adherence to proper emergency response and notification procedures.

J. The permitted hauler must keep a DAILY record of the oil and gas waste hauling operations of each approved vehicle. The daily record, signed and dated by the vehicle driver, must be kept open for Commission inspection and must contain the following information:

1. Identity of the property from which the oil and gas waste is hauled (operator name, lease name and number or other facility name or number, and county);
2. Type and volume of oil and gas waste received by the hauler at the property where it was generated;
3. Identity of the disposal system to which the oil and gas waste is delivered (operator name, lease name and number or system name, well number or system permit number, and county); and
4. Type and volume of oil and gas waste transported and delivered to the disposal system.

K. This permit is not transferable without the consent of the Commission.

L. This permit expires on 02/28/2001. This permit, unless suspended or revoked for cause shown, will remain valid until the expiration date.

Director of Environmental Services

Glenda Babola
RRC Contact

02/29/2000
Date of Permit Issuance

(512) 463- 6818

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
Environmental Services
P.O. Box 12967
Austin, Texas 78711-2967

OIL AND GAS WASTE HAULER'S LIST OF VEHICLES

WH-2
Rev. 4/94

INSTRUCTIONS: To be completed by the oil and gas waste hauler and filed with the Commission in Austin either
- with the WH-1 for new permit applications, or
- by itself at any time to add vehicles to an existing permit's Attachment A.

NOTE: For the purposes of this form, "vehicle" means any truck tank, trailer tank, vacuum tank, dump truck, garbage truck, or other container in which oil and gas waste will be hauled by the oil and gas waste hauler.

Hauler name (exactly as shown on P-5 organization report)	☑ initial filing	☐ additional vehicle for permit no.	total no. of vehicles	page of
Rhino Environmental Services Inc			8	1 / 1

Vehicle Make/Model/Year	Serial No.	Capacity (units)	Current Vehicle License No.
Kenworth/480/1988	1XKAD29X1JS515829	6 yd³	IRE7055
Peterbilt/509/1987	1XP9D29X8H0208251	20 yd³	IR6618
International/400/1991	2HTFC0008MC051586	20 yd³	IRF5161
International/194/1994	2HSFHDBR3RC083920	20 yd³	IRF4078
Volvo/415/1987	1WYCZCZ28HN114310	12 yd³	IRF4600
Ford/COF/1989	2FOLF47M5KCB32724	7 yd³	041MBR
Ford/MHV/1986	1FDMK64N8GVA60878	7 yd³	667KRC
Mack/80-1/1980	R612ST5005	20 yd³	IR6191

CERTIFICATION:
I certify that the vehicles listed on this form are designed so that they will not leak during transportation.

Signature [signature] Name (type or print) Daniele Berardelli

Title General Manager Phone (505) 882-0449 Date 2/26/00

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION - UIC
P.O. BOX 12967
AUSTIN, TX 78711-2967

OIL AND GAS WASTE HAULER
VEHICLE IDENTIFICATION

PERMIT ATTACHMENT A

Hauler Name	Permit Number	Expiration Date	Number of Vehicles
RHINO ENVIRONMENTAL SERVICES INC	3314	02/28/2001	8

Make	/ Model	/Yr	Serial No.	Cap.	/ Unit	License	Inspected
KENWORTH	/480	/88	1XKAD29X1J5515829	6	/ YDS	IRE7055	
PETERBILT	/509	/87	1XP9D29X8H0208251	20	/ YDS	IR6618	
INTERNTL	/400	/91	2HTFC0808MC051586	20	/ YDS	IRF5161	
INTERNTL	/194	/94	2HSFHDBR3RC083920	20	/ YDS	IRF4078	
VOLVO	/415	/87	1WYCZCZZ8HN114310	12	/ YDS	IRF4600	
FORD	/COF	/89	2FOLF47M5KCB323724	7	/ YDS	O41MBR	
FORD	/MHV	/86	1FDM464N8GVA60878	7	/ YDS	667KRC	
MACK	/80-1	/80	R612ST5005	20	/ YDS	IR6191	

A COPY OF THE PART OF THIS LISTING RELEVANT TO THAT VEHICLES ACTIVITIES MUST BE CARRIED IN EACH VEHICLE SUBJECT TO THIS PERMIT

strict I - (505) 393-6161
O. Box 1980
obbs, NM 88241-1980
strict II - (505) 748-1283
S. First
tesia, NM 88210
strict III - (505) 334-6178
00 Rio Brazos Road
tec, NM 87410
strict IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

RECEIVED
MAR 09 2000
Environmental Bureau
Oil Conservation Division

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Plains Petroleum Operating Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site E.C. Hill B-D Tank Battery
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino Environmental Services, Inc.
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State NM
7. Location of Material (Street Address or ULSTR)	Sec. 35 (D), T23S, R37E Lea County, NM

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Estimated Volume 600 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: General Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 3-9-00

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

RECEIVED
MAR 17 2000
Environmental Bureau
Oil Conservation Division

Submit Original Plus 1 Copy to appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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Verbal Approval Received: Yes ☐ No ☐	5. Originating Site E.C. Hill B-D Tank Battery
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino Environmental Services, Inc.
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State NM
7. Location of Material (Street Address or ULSTR)	Sec. 35 (D), T23S, R37E Lea County, NM

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SIGNATURE: [signature] TITLE: General Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environ. Eng. Specialist DATE: 03-14-00

APPROVED BY: [signature] TITLE: Environ DATE: _____

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: Plains Petroleum Operating Co 415 W. Wall, Suite 1000 Midland, TX 79701	3. Location (Street Address &/or ULSTR): Sec. 35 (D), T23S, R37E Lea County, NM
2. Originating Site (Name): E. C. Hill B-D Tank Battery	4. Destination Name: ~~Rhino, Anthony, NM~~ DB 3/7/00 Rhino Commercial Landfarm 8 miles S. of Hobbs Lea County, NM

5. Source and Description of Waste
Contaminated soil & waste excavated from around tank battery

I, Rodney D Long representative for: Plains Petroleum Operating Co do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is (Check appropriate classification)

___ EXEMPT oilfield waste

XX NON-EXEMPT oilfield waste which is not hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
X RCRA TCLP Analysis
___ Chain of Custody
___ Other (Description)

Name (Signature): Rodney D Long

Printed Name: Rodney D Long

Title: Foreman

Date: 2-29-00

Attach list of originating sites as appropriate.

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9886 • 1-800-966-1186

March 06, 2000

Daniele Berardelli
Rhino Env. Services- Anthony
P.O. Box 4232

Anthony, NM 88021
TEL: 505-882-0449 FAX: 505-882-0563

Work Order: 0002523
Project: Plains Petroleum

Dear Client:

Anachem, Inc. received 1 sample on 02/26/2000 for the analyses presented in the following report.

The samples were analyzed for the following tests:

Corrosivity (EPA 9040)
Ignitability - Solid
Mercury Digestion (EPA 7470)
Reactivity (Full)
TCLP Herbicides-SOIL
TCLP MERCURY (EPA 7470)
TCLP Microwave Digestion (EPA 3015)
TCLP Pesticides-SOIL
TCLP RCRA Metals (EPA 6010)
TCLP Sample Prep (Metals)
TCLP Sample Prep (Organics)
TCLP Semivolatiles-SOIL
TCLP Volatiles - Solid
TCLP ZHE (Volatile Extraction)

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9888 • 1-800-966-1186

March 06, 2000

Daniele Berardelli
Rhino Env. Services- Anthony
Work Order: 0002523
Project: Plains Petroleum

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

C.E. Newton for
Howard H. Hayden, B.S.
Chemist

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned. The use of our name and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualitites of apparently identical or similar materials.

Anachem, Inc.

Date: *06-Mar-00*

CLIENT:	Rhino Env. Services- Anthony	**Client Sample ID:**	Sample 1
Work Order:	0002523	**Location:**	Hill E.C., Hill B-D, Lea Co., NM
Project:	Plains Petroleum	**Collection Date:**	2/23/00
Lab ID:	0002523-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units		Date Analyzed
CORROSIVITY (EPA 9040)			**Prep Date**		**Analyst: SD**
pH	7	0.005	pH Units		3/6/00
IGNITABILITY - SOLID			**Prep Date**		**Analyst: SD**
Ignitability	ND	1	°F		3/6/00
FLASH POINT = >150F					
REACTIVITY (FULL)			**Prep Date**		**Analyst: SD**
Cyanide, Reactive	ND	0.1	mg/Kg		3/6/00
Reactivity to Acid	ND	0	mg/Kg		3/6/00
Reactivity to Air	ND	0	mg/Kg		3/6/00
Reactivity to Alkali	ND	0	mg/Kg		3/6/00
Reactivity to Water	ND	0	mg/Kg		3/6/00
Sulfide, Reactive	ND	0.3	mg/Kg		3/6/00
TCLP HERBICIDES-SOIL			**Prep Date**	3/1/00	**Analyst: HH**
2,4,5-TP (Silvex)	ND	0.0005	mg/L		3/1/00
2,4-D	ND	0.005	mg/L		3/1/00
TCLP MERCURY (EPA 7470)			**Prep Date**	2/29/00 1:03:35	**Analyst: BMC**
Mercury	ND	0.0004	mg/L		2/29/00
TCLP RCRA METALS (EPA 6010)			**Prep Date**	2/29/00 1:09:56	**Analyst: BMC**
Arsenic	ND	0.025	mg/L		2/29/00
Barium	0.815	0.003	mg/L		2/29/00
Cadmium	ND	0.003	mg/L		2/29/00
Chromium	ND	0.003	mg/L		2/29/00
Lead	ND	0.037	mg/L		2/29/00
Selenium	ND	0.037	mg/L		2/29/00
Silver	ND	0.025	mg/L		2/29/00
TCLP PESTICIDES-SOIL			**Prep Date**	2/29/00	**Analyst: HH**
Chlordane	ND	0.005	mg/L		2/29/00
Endrin	ND	0.005	mg/L		2/29/00
gamma-BHC	ND	0.005	mg/L		2/29/00
Heptachlor	ND	0.005	mg/L		2/29/00
Heptachlor epoxide	ND	0.005	mg/L		2/29/00
Methoxychlor	ND	0.005	mg/L		2/29/00
Toxaphene	ND	0.005	mg/L		2/29/00

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *06-Mar-00*

CLIENT:	Rhino Env. Services- Anthony	**Client Sample ID:**	Sample 1
Work Order:	0002523	**Location:**	Hill E.C., Hill B-D, Lea Co., NM
Project:	Plains Petroleum	**Collection Date:**	2/23/00
Lab ID:	0002523-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
TCLP SEMIVOLATILES-SOIL			Prep Date 2/29/00	Analyst: HH
2,4,5-Trichlorophenol	ND	0.1	mg/L	2/29/00
2,4,6-Trichlorophenol	ND	0.1	mg/L	2/29/00
2,4-Dinitrotoluene	ND	0.1	mg/L	2/29/00
Cresols, Total	ND	1	mg/L	2/29/00
Hexachlorobenzene	ND	0.1	mg/L	2/29/00
Hexachlorobutadiene	ND	0.1	mg/L	2/29/00
Hexachloroethane	ND	0.1	mg/L	2/29/00
Nitrobenzene	ND	0.1	mg/L	2/29/00
Pentachlorophenol	ND	0.1	mg/L	2/29/00
Pyridine	ND	0.1	mg/L	2/29/00
TCLP VOLATILES - SOLID			Prep Date	Analyst: MC
1,1-Dichloroethene	ND	0.1	mg/L	2/29/00
1,2-Dichloroethane	ND	0.1	mg/L	2/29/00
1,4-Dichlorobenzene	ND	0.1	mg/L	2/29/00
2-Butanone	ND	0.1	mg/L	2/29/00
Benzene	ND	0.1	mg/L	2/29/00
Carbon tetrachloride	ND	0.1	mg/L	2/29/00
Chlorobenzene	ND	0.1	mg/L	2/29/00
Chloroform	ND	0.1	mg/L	2/29/00
Tetrachloroethene	ND	0.1	mg/L	2/29/00
Trichloroethene	ND	0.1	mg/L	2/29/00
Vinyl chloride	ND	0.1	mg/L	2/29/00

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *06-Mar-00*

CLIENT: Rhino Env. Services- Anthony
Work Order: 0002523
Project: Plains Petroleum

QC SUMMARY REPORT

TCLP RCRA Metals (EPA 6010) Units: mg/L Analysis Date: 2/29/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Aluminum	5	92.5%	100.3%	75%	125%	7.4%	15
Arsenic	5	91.4%	99.4%	75%	125%	8.5%	15
Barium	5	91.2%	97.6%	75%	125%	6.7%	15
Cadmium	5	95.0%	101.2%	75%	125%	6.3%	15
Chromium	5	93.8%	100.2%	75%	125%	6.6%	15
Copper	5	93.2%	99.6%	75%	125%	6.1%	15
Iron	5	89.4%	97.6%	75%	125%	6.7%	15
Lead	5	94.2%	102.0%	75%	125%	7.9%	15
Selenium	5	94.9%	96.3%	75%	125%	1.4%	15
Silver	5	95.0%	101.6%	75%	125%	6.7%	15
Zinc	5	95.3%	101.5%	75%	125%	5.9%	15

TCLP RCRA MERCURY (EPA 7470) Units: mg/L Analysis Date: 2/29/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	0.04	108.0%	117.3%	75%	125%	8.2%	15

Reactivity (Full) Units: mg/Kg Analysis Date: 3/6/00

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Cyanide, Reactive	2	90.3%	84.3%	50%	150%	6.9%	15
Sulfide, Reactive	500	75.0%	78.2%	50%	150%	4.2%	15

Purchase Order/Chain Of Custody

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: Daniele Berardelli	Bill To: (Buyer) Rhino Environ. Services, Inc.
Company: Rhino Environ. Services, Inc.	Purchase Order #: 1519
Address: P.O. Box 4232	Address: P.O. Box 25547 87125
City, State, Zip: Anthony NM 88021-4232	City, State, Zip: Albuquerque NM ~~87122~~
Phone: 505-644-2158 Fax: 505-882-0563	Phone: 505-247-4646 Fax: 505-797-4874

Project Name: Plains Petroleum Quote #:

Project Location: Hill G.C. Hill B-D City, State: Lea Co. N.M.

Date Due: 03-03-00 Rush: 0% 25% 50% 100% Sampled By: Terry Mohler

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	Analysis: Full TCLP-Herb + Pest	Analysis: RCI
0002523-01	1. Sample 1	Soil	2/23/00 1:30 pm		X	X
	2.					
	3.					
	4.					
	5.					
	6.					
	7.					
	8.					
	9.					
	10.					

Relinquished By	Date	Time	Received By	Date	Time
Terry Mohler	2/25/00	8:00 am	Vicky Wilson	2/25/00	8:00 am
Vicky Wilson	2/25/00	1530	[illegible]	2/25/00	1330
[illegible]	2/25/00	1600	Brad Thornhill	2/26/00	9:00

Sample Receipt Notes

Temperature on ice

Preserved Properly

COC Seals Intact

Method of Shipment Fed-Ex

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal ✓
Accept Returned Sample ____

Submission # 0002523

OTO REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

strict I - (505) 393-6161
O. Box 1980
bbs, NM 88241-1980
strict II - (505) 748-1283
S. First
esia, NM 88210
strict III - (505) 334-6178
00 Rio Brazos Road
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strict IV - (505) 827-7131

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

RECEIVED
MAR 0 2 2000
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator BJ Services Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs District
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino
3. Address of Facility Operator P.O. Box 4232, Anthony, NM 88021	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2708 W. County Rd	Hobbs, NM 88240

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

BRIEF DESCRIPTION OF MATERIAL:

5 - 10 drums of drill cuttings

Daniele,
Please Direct the C-138
Through our District office
Donna will then Forward them to
Santa Fe.
Martyn 03-8-00

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

SIGNATURE: [signature] TITLE: General Manager DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 882-0449

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 03-08-00

Rick N. Johnson, REM
Environmental Specialist
(281) 357-2573 FAX (281) 357-2585

February 29, 2000

Daniele Berardelli
P.O. Box 4232
Anthony, NM 88021

Re: Waste Soil Cuttings from MW-12D
BJ Services Company, USA
Hobbs, New Mexico Facility
2708 West County Road

Ms. Berardelli:

The waste soil cuttings from MW-12D from the above referenced location are the same soil as the last haul to your facility from when the field waste tank system was removed by Rhino. Nothing has changed about the soil around this unit. Please expedite its disposal. Thanks!

Sincerely,

Rick N. Johnson, REM
Environmental Specialist

: O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
: O. Drawer DD
Artesia, NM 88211-0719
District III - (505) 334-6178
000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-5810

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

RECEIVED MAR 2 7 1997

Originated 1/19
Submit Orig
Plus 1 C
to Santa
1 Copy to appropr
District Of

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator BJ Services Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs District
2. Management Facility Destination SE/4 Sec. 14, T11S, R38E, Lea County, NM 600 Yea Landfarm	6. Transporter Rhino/CSI
3. Address of Facility Operator P.O. Box 25547, Alb., NM 87125 4007 Lovington Hwy., Hobbs, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2708 W. County Rd Hobbs, NM 88240	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to APPROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approve.

RECEIVED

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

MAR 2 4 1997

Environmental Bureau
Oil Conservation Division

BRIEF DESCRIPTION OF MATERIAL:

Approximately 650 yd³ of non-exempt hydrocarbon contaminated soil - removed from area surrounding three large and one small wastewater storage tanks.
Analytical data is attached.

OCD HOBBS OFFICE
MAR 2 5 1997
RECEIVED

OCD HOBBS OFFICE
MAR 1 7 1997
RECEIVED

Estimated Volume 650 cy Known Volume (to be entered by the operator at the end of the haul) 853.4 cy

SIGNATURE: [signature] TITLE: Manager DATE: 3-13-97

TYPE OR PRINT NAME Daniele Berardelli TELEPHONE NO. 505-242-6464

(This space for State Use)

APPROVED BY: [signature] TITLE: ENVR ENGR DATE: 3/18/97

APPROVED BY: [signature] TITLE: Bureau Chief DATE: 3/24/97

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATION LOCATION: BJ Services Company, U.S.A. Hobbs, NM

SOURCE: Backfill soil surrounding 4 wastewater tanks

DISPOSAL LOCATION: Goo Yea Landfarm

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."

I, the undersigned as the agent for the BJ Services Company, U.S.A. concur with the status of the waste from the subject site.

Name: Rick N. Jordan

Title: Environmental Specialist

Address: 8701 New Trails Drive
The Woodlands, TX 77381

Signature: Rick N. Jordan

Date: 3-13-97

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
P. O. Drawer DD
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-5810

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

Form C-13
Originated 1/19/

Submit Origin
Plus 1 Co
to Santa
1 Copy to appropria
District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator B J Services Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs District
2. Management Facility Destination SE/4 Sec. 14, T11S, R38E, Lea County, NM 600 Yea Landfarm	6. Transporter Rhino/CSI
3. Address of Facility Operator P.O. Box 25547, Alb., NM 4007 Lovington Hwy., Hobbs, NM	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2708 W. County Rd Hobbs, NM 88240	

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to APPROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approve.

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

BRIEF DESCRIPTION OF MATERIAL:

Approximately 650 yd³ of non-exempt hydrocarbon contaminated soil - removed from area surrounding three large and one small wastewater storage tanks.
Analytical data is attached.

Estimated Volume 650 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: Manager DATE: 3-13-97

TYPE OR PRINT NAME Daniele Berardelli TELEPHONE NO. 505-242-6464

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

EPIC LABORATORIES, INC.

ANALYTICAL AND QUALITY CONTROL REPORT

Andy Landoll
RHINO ENVIRONMENTAL, INC.
P.O. Box 25547
300 Broadway NE, 87102
Albuquerque, NM 87125

03/11/1997

EPIC Job Number: 97.00820

Enclosed is the Analytical and Quality Control report for the following samples submitted to the Dallas Division of EPIC Laboratories, Inc. for analysis. Reproduction of this analytical report is permitted only in its entirety.

Sample Number	Sample Description	Date Taken	Date Received
329513	South Stock Pile Composite	03/06/1997	03/07/1997
329514	East Stock Pile Composite	03/06/1997	03/07/1997

EPIC Laboratories, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Holding Times: All holding times were within method criteria.

Method Blanks: All method blanks were within quality control criteria.

Instrument calibration: All calibrations were within method quality control criteria.

Analysis Comments: No Unusual Comments

Jim Rowley
Project Manager

1548 Valwood Parkway, Suite 118, Carrollton, Texas 75006 (972) 406-8100 Fax: (972) 484-2969
2621 Ridgepoint Drive, Suite 135, Austin, Texas 78754 (512) 928-8905 Fax: (512) 928-3208
13802 Placid Brook Court, Houston, Texas 77059 (281) 286-1400 Fax: (281) 256-2424

ANALYTICAL REPORT

Andy Landoll
RHINO ENVIRONMENTAL, INC.
P.O. Box 25547
300 Broadway NE, 87102
Albuquerque, NM 87125

03/11/1997

EPIC Job Number: 97.00820

Project Description: BJ Services Hobbs, NM

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 329513	**SAMPLE DESCRIPTION South Stock Pile Composite**								**DATE-TIME TAKEN 03/06/1997 09:50**
Cyanide, Reactive	<0.25		mg/kg	0.25	03/07/1997	kwo		497	S-7.3.3.1
pH, Corrosivity	8.17		units	N/A	03/10/1997	kwo		1405	S-7.2.2
Sulfide, Reactive	30		mg/kg	12.5	03/07/1997	kwo		520	S-7.3.4.1
TPH-418.1 (Nonaqueous)	1420		ug/g	10	03/10/1997	bbs		1260	E-418.1
ICP Metals - Aqueous	complete				03/10/1997	jmc		1595	
TCLP NON-VOLATILE EXTRACTION	c			COMPLETE	03/11/1997	zmw	524		S-1311
EXTRACTION, NON VOLATILE	c 2-7-9			COMPLETE	03/10/1997	jwh	530		S-1311
TCLP-Prep AA, ICP	c			COMPLETE	03/10/1997	mcw	1204		S-3010A
TCLP-Arsenic, ICP	<0.03		mg/L	0.03	03/10/1997	jmc	1204	1528	S-6010A
TCLP-Barium, ICP	1.2		mg/L	0.01	03/10/1997	jmc	1204	1615	S-6010A
TCLP-Cadmium, ICP	<0.01		mg/L	0.01	03/10/1997	jmc	1204	1598	S-6010A
TCLP-Chromium, ICP	<0.01		mg/L	0.01	03/10/1997	jmc	1204	1589	S-6010A
TCLP-Lead, ICP	<0.03		mg/L	0.03	03/10/1997	jmc	1204	1598	S-6010A
TCLP-Mercury, CVAA	<0.002	EDL	mg/L	0.0002	03/10/1997	tmb		1342	S-7470A
TCLP-Selenium, ICP	<0.04		mg/L	0.04	03/10/1997	jmc	1204	1527	S-6010A
TCLP-Silver, ICP	<0.01		mg/L	0.01	03/10/1997	jmc	1204	1580	S-6010A
Ignitability	DNB	DNB			03/10/1997	bbs		311	ASTM D4982-89
EXTRACTION, TCLP SEMI-VOLATILE	c 3-7-9				03/07/1997	jwh	447		S-1311
EPA 8020-MONAO									
Benzene	<10		ug/kg	10	03/07/1997	zst		929	S-8020A
Ethylbenzene	<10		ug/kg	10	03/07/1997	zst		929	S-8020A
Toluene	<10		ug/kg	10	03/07/1997	zst		929	S-8020A
Xylenes, Total	<10		ug/kg	10	03/07/1997	zst		929	S-8020A
SURR: a,a,a-TFT	96		% Rec	50-130	03/07/1997	zst		929	
SW/A ANALYSIS	c					dtw		240	E-625/S-8270
Prep. TCLP - BNA	c 3-10-			complete	03/10/1997	jwh	438		S-3510
TCLP-ACID EXTRACTABLES - 8270									
TCLP-Cresols, Total	<0.066		mg/L	0.066	03/10/1997	dtw	438	421	S-8270A
TCLP-Pentachlorophenol	<0.33		mg/L	0.33	03/10/1997	dtw	438	421	S-8270A
TCLP-2,4,5-Trichlorophenol	<0.066		mg/L	0.066	03/10/1997	dtw	438	421	S-8270A
TCLP-2,4,6-Trichlorophenol	<0.066		mg/L	0.066	03/10/1997	dtw	438	421	S-8270A
SURR: 2-Fluorophenol	68		% Rec	21-100	03/10/1997	dtw	438	421	S-8270A
SURR: Phenol-d5	56		% Rec	10-94	03/10/1997	dtw	438	421	S-8270A
SURR: 2,4,6-Tribromophenol	68		% Rec	10-123	03/10/1997	dtw	438	421	S-8270A
TCLP-BASE NEUTRALS - 8270									
TCLP-1,4-Dichlorobenzene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-2,4-Dinitrotoluene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Hexachlorobenzene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A

DNB - Does not burn.
EDL - Elevated Detection Limit due to matrix interference.

ANALYTICAL REPORT

Andy Landoll
RHINO ENVIRONMENTAL, INC.
P.O. Box 25547
300 Broadway NE, 87102
Albuquerque, NM 87125

03/11/1997

EPIC Job Number: 97.00820

Project Description: BJ Services Hobbs, NM

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 329513	**SAMPLE DESCRIPTION South Stock Pile Composite**								**DATE-TIME TAKEN 03/06/1997 09:50**
TCLP-Hexachlorobutadiene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Hexachloroethane	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Nitrobenzene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Pyridine	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
SURR: 2-Fluorobiphenyl	84		% Rec	43-116	03/10/1997	dtw	438	420	S-8270A
SURR: Nitrobenzene-d5	80		% Rec	35-114	03/10/1997	dtw	438	420	S-8270A
SURR: Terphenyl-d14	88		% Rec	33-141	03/10/1997	dtw	438	420	S-8270A
TCLP-8240									
TCLP-Benzene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-2-Butanone (MEK)	<0.50		mg/L	0.50	03/08/1997	acg		1175	S-8240A
TCLP-Carbon Tetrachloride	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Chlorobenzene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Chloroform	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-1,2-Dichloroethane	<0.025		mg/L	0.025	03/08/1997	acg		1176	S-8240A
TCLP-1,1-Dichloroethene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Tetrachloroethene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Trichloroethene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Vinyl chloride	<0.05		mg/L	0.05	03/08/1997	acg		1176	S-8240A
SURR: 1,2-Dichloroethane-d4	107		% Rec	76-114	03/08/1997	acg		1175	S-8240A
SURR: Toluene-d8	101		% Rec	88-110	03/08/1997	acg		1175	S-8240A
SURR: 4-Bromofluorobenzene	108		% Rec	86-115	03/08/1997	acg		1175	S-8240A
SAMPLE NO. 329514	**SAMPLE DESCRIPTION East Stock Pile Composite**								**DATE-TIME TAKEN 03/06/1997 11:01**
Cyanide, Reactive	<0.25		mg/kg	0.25	03/07/1997	kwo		497	S-7.3.3.1
pH, Corrosivity	8.38		units	N/A	03/10/1997	kwo		1485	S-7.3.2
Sulfide, Reactive	<12.5		mg/kg	12.5	03/07/1997	kwo		520	S-7.3.4.1
TPH-418.1 (Nonaqueous)	444		mg/g	10	03/10/1997	hsa		1200	E-418.1
ICP Metals - Aqueous	complete				03/10/1997	jmc		1595	
TCLP NON-VOLATILE EXTRACTION	c			COMPLETE	03/11/1997	mmw	526		S-1311
EXTRACTION, ZHE VOLATILE	c 3-7-3			COMPLETE	03/10/1997	jwb	530		S-1311
TCLP-Prep AA,ICP	c			COMPLETE	03/10/1997	mmw	1204		S-3010A
TCLP-Arsenic, ICP	0.04		mg/L	0.03	03/10/1997	jmc	1204	1538	S-6010A
TCLP-Barium, ICP	1.3		mg/L	0.01	03/10/1997	jmc	1204	1415	S-6010A
TCLP-Cadmium, ICP	<0.01		mg/L	0.01	03/10/1997	jmc	1204	1590	S-6010A

ANALYTICAL REPORT

Andy Landoll
RHINO ENVIRONMENTAL, INC.
P.O. Box 25547
300 Broadway NE, 87102
Albuquerque, NM 87125

03/11/1997

EPIC Job Number: 97.00820

Project Description: BJ Services Hobbs, NM

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 329514	**SAMPLE DESCRIPTION East Stock Pile Composite**								**DATE-TIME TAKEN 03/06/1997 11:01**
TCLP-Chromium, ICP	<0.01		mg/L	0.01	03/10/1997	jmc	1204	1509	S-6010A
TCLP-Lead, ICP	<0.03		mg/L	0.03	03/10/1997	jmc	1204	1498	S-6010A
TCLP-Mercury, CVAA	<0.02	ENL	mg/L	0.0002	03/10/1997	bmb		1142	S-7470A
TCLP-Selenium, ICP	<0.04		mg/L	0.04	03/10/1997	jmc	1204	1527	S-6010A
TCLP-Silver, ICP	<0.01		mg/L	0.01	03/10/1997	jmc	1204	1500	S-6010A
Ignitability	DNB	DNB			03/10/1997	bmb		311	ASTM D4982-89
EXTRACTION, TCLP SEMI-VOLATILE	c 3-7-9				03/07/1997	jwh	447		S-1311
EPA 8020-WORKS									
Benzene	<10		ug/kg	10	03/07/1997	mst		939	S-8020A
Ethylbenzene	120		ug/kg	10	03/07/1997	mst		939	S-8020A
Toluene	63		ug/kg	10	03/07/1997	mst		939	S-8020A
Xylenes, Total	800		ug/kg	10	03/07/1997	mst		939	S-8020A
SURR: a,a,a-TFT	98		% Rec	80-130	03/07/1997	mst		939	
BN/A ANALYSIS	c					dtw		240	S-625/S-8270
Prep, TCLP - BNA	c 3-10-			complete	03/10/1997	jwh	436		S-3510
TCLP-ACID EXTRACTABLES - 8270									
TCLP-Cresols, Total	<0.066		mg/L	0.066	03/10/1997	dtw	438	421	S-8270A
TCLP-Pentachlorophenol	<0.33		mg/L	0.33	03/10/1997	dtw	438	421	S-8270A
TCLP-2,4,5-Trichlorophenol	<0.066		mg/L	0.066	03/10/1997	dtw	438	421	S-8270A
TCLP-2,4,6-Trichlorophenol	<0.066		mg/L	0.066	03/10/1997	dtw	438	421	S-8270A
SURR: 2-Fluorophenol	52		% Rec	21-100	03/10/1997	dtw	438	421	S-8270A
SURR: Phenol-d5	54		% Rec	10-94	03/10/1997	dtw	438	421	S-8270A
SURR: 2,4,6-Tribromophenol	88		% Rec	10-123	03/10/1997	dtw	438	421	S-8270A
TCLP-BASE NEUTRALS - 8270									
TCLP-1,4-Dichlorobenzene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-2,4-Dinitrotoluene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Hexachlorobenzene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Hexachlorobutadiene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Hexachloroethane	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Nitrobenzene	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
TCLP-Pyridine	<0.066		mg/L	0.066	03/10/1997	dtw	438	420	S-8270A
SURR: 2-Fluorobiphenyl	75		% Rec	43-116	03/10/1997	dtw	438	420	S-8270A
SURR: Nitrobenzene-d5	70		% Rec	35-114	03/10/1997	dtw	438	420	S-8270A
SURR: Terphenyl-d14	90		% Rec	33-141	03/10/1997	dtw	438	420	S-8270A
TCLP-8240									
TCLP-Benzene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-2-Butanone (MEK)	<0.50		mg/L	0.50	03/08/1997	acg		1175	S-8240A
TCLP-Carbon Tetrachloride	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A

DNB - Does not burn.
ENL - Elevated Detection Limit due to matrix interference.

ANALYTICAL REPORT

Andy Landoll
RHINO ENVIRONMENTAL, INC.
P.O. Box 25547
300 Broadway NE, 87102
Albuquerque, NM 87125

03/11/1997

EPIC Job Number: 97.00820

Page No.: 5

Project Description: BJ Services Hobbs, NM

Analyte	Result	Flag	Units	Reporting Limit	Date Analyzed	Analyst Initials	Prep Batch No.	Run Batch No.	Method Reference
SAMPLE NO. 329514	**SAMPLE DESCRIPTION East Stock Pile Composite**								**DATE-TIME TAKEN 03/06/1997 11:01**
TCLP-Chlorobenzene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Chloroform	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-1,2-Dichloroethane	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-1,1-Dichloroethene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Tetrachloroethene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Trichloroethene	<0.025		mg/L	0.025	03/08/1997	acg		1175	S-8240A
TCLP-Vinyl chloride	<0.05		mg/L	0.05	03/08/1997	acg		1175	S-8240A
SURR: 1,2-Dichloroethane-d4	103		% Rec	76-114	03/08/1997	acg		1175	S-8240A
SURR: Toluene-d8	102		% Rec	88-110	03/08/1997	acg		1175	S-8240A
SURR: 4-Bromofluorobenzene	107		% Rec	86-115	03/08/1997	acg		1175	S-8240A

QUALITY CONTROL REPORT
Continuing Calibration Verification (CCV)

JOB NUMBER: 97.00820

Analyte	Prep Batch No.	Run Batch No.	Method	CCV True Value	Units	CCV Conc Found	CCV % Rec	Flag	Date Analyzed
Cyanide, Reactive		497	S-7.3.3.1	1.0	mg/kg	1.02	102		03/07/1997
Sulfide, Reactive		520	S-7.3.4.1	1000	mg/kg	1000	100		03/07/1997
TPH-418.1 (Nonaqueous)		1280	S-418.1	104	ug/g	105.5	102		03/07/1997
TCLP-Arsenic, ICP		1528	S-6010A	1.00	mg/L	1.02	102		03/10/1997
TCLP-Barium, ICP		1515	S-6010A	1.00	mg/L	1.00	100		03/10/1997
TCLP-Cadmium, ICP		1530	S-6010A	1.00	mg/L	1.02	102		03/10/1997
TCLP-Chromium, ICP		1529	S-6010A	1.00	mg/L	1.04	104		03/10/1997
TCLP-Lead, ICP		1528	S-6010A	1.00	mg/L	1.03	103		03/10/1997
TCLP-Mercury, CVAA		1542	S-7470A	0.50	mg/L	0.51	102		03/10/1997
TCLP-Selenium, ICP		1527	S-6010A	1.00	mg/L	1.05	105		03/10/1997
TCLP-Silver, ICP		1530	S-6010A	1.00	mg/L	1.02	102		03/10/1997
EPA 8020-MEOAQ			S-8020A						
Benzene		929	S-8020A	20	ug/kg	18	90		03/07/1997
Ethylbenzene		929	S-8020A	20	ug/kg	26	130		03/07/1997
Toluene		929	S-8020A	20	ug/kg	17	85		03/07/1997
Xylenes, Total		929	S-8020A	60	ug/kg	78	130		03/07/1997
TCLP-ACID EXTRACTABLES - 8270			S-8270A						
TCLP-Cresols, Total		421	S-8270A	0.144	mg/L	0.180	100		03/10/1997
TCLP-Pentachlorophenol		421	S-8270A	0.080	mg/L	0.071	89		03/10/1997
TCLP-2,4,5-Trichlorophenol		421	S-8270A	0.050	mg/L	0.065	81		03/10/1997

Method References and Codes

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

E-100 through 493: "Methods for Chemical Analysis of Water & Wastes". U.S. EPA. 600/4-79-020, Rev. 1983.

E-601 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136. rev. 1990.

S-1000 through 9999: "Test Methods for Evaluating Solid Waste". U.S. EPA SW-846. 3rd Edition. 1986.

A: "Standard Methods for the Examination of Water and Wastewater". 16th Edition. APHA. 1985.

SM: "Standard Methods for the Examination of Water and Wastewater". 18th Edition. APHA. 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT
Continuing Calibration Verification
(CCV)

JOB NUMBER: 97.00820

Analyte	Prep Batch No.	Run Batch No.	Method	CCV True Value	Units	CCV Found	CCV % Rec	Flag	Date Analyzed
TCLP-2,4,6-Trichlorophenol		431	S-8270A	0.080	mg/L	0.087	86		03/10/1997
TCLP-BASE NEUTRALS - 8270			S-8270A						
TCLP-1,4-Dichlorobenzene		420	S-8270A	0.080	mg/L	0.072	90		03/10/1997
TCLP-2,4-Dinitrotoluene		420	S-8270A	0.080	mg/L	0.070	88		03/10/1997
TCLP-Hexachlorobenzene		420	S-8270A	0.080	mg/L	0.062	78		03/10/1997
TCLP-Hexachlorobutadiene		420	S-8270A	0.080	mg/L	0.066	83		03/10/1997
TCLP-Hexachloroethane		420	S-8270A	0.080	mg/L	0.066	83		03/10/1997
TCLP-Nitrobenzene		420	S-8270A	0.080	mg/L	0.068	85		03/10/1997
TCLP-Pyridine		420	S-8270A	0.080	mg/L	0.082	103		03/10/1997
TCLP-8240			S-8240A						
TCLP-Benzene		1175	S-8240A	0.020	mg/L	0.021	105		03/08/1997
TCLP-2-Butanone (MEK)		1175	S-8240A	0.020	mg/L	0.028	140		03/08/1997
TCLP-Carbon Tetrachloride		1175	S-8240A	0.020	mg/L	0.025	125		03/08/1997
TCLP-Chlorobenzene		1175	S-8240A	0.020	mg/L	0.022	110		03/08/1997
TCLP-Chloroform		1175	S-8240A	0.020	mg/L	0.020	100		03/08/1997
TCLP-1,2-Dichloroethane		1175	S-8240A	0.020	mg/L	0.020	100		03/08/1997
TCLP-1,1-Dichloroethene		1175	S-8240A	0.020	mg/L	0.019	95		03/08/1997
TCLP-Tetrachloroethene		1175	S-8240A	0.020	mg/L	0.019	94		03/08/1997
TCLP-Trichloroethene		1175	S-8240A	0.020	mg/L	0.020	100		03/08/1997
TCLP-Vinyl chloride		1175	S-8240A	0.020	mg/L	0.016	80		03/08/1997

Method References and Codes

The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

E-100 through 499: "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

E-500 through 625: "Guidelines Establishing Test Procedures for the Analysis of Pollutants", U.S. EPA, 40CFR, Part 136, rev. 1990.

S-1000 through 9999: "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd Edition, 1986.

A: "Standard Methods for the Examination of Water and Wastewater", 16th Edition, APHA, 1985.

SM: "Standard Methods for the Examination of Water and Wastewater", 18th Edition, APHA, 1992.

D: ASTM Method

M: Method has been modified

*: Other Reference

QUALITY CONTROL REPORT
BLANKS

JOB NUMBER: 97.00820

Analyte	Prep Batch No.	Run Batch No.	Blank Value	Flag	Units	Reporting Limit	Date Analyzed
Cyanide, Reactive		497	<0.25		mg/kg	0.25	03/07/1997
Sulfide, Reactive		520	<12.5		mg/kg	12.5	03/07/1997
TPH-418.1 (Nonaqueous)		1195	<10		mg/g	10	03/07/1997
TCLP-Arsenic, ICP	1204	1528	<0.03		mg/L	0.03	03/10/1997
TCLP-Barium, ICP	1204	1415	<0.01		mg/L	0.01	03/10/1997
TCLP-Cadmium, ICP	1204	1590	<0.01		mg/L	0.01	03/10/1997
TCLP-Chromium, ICP	1204	1589	<0.01		mg/L	0.01	03/10/1997
TCLP-Lead, ICP	1204	1598	<0.03		mg/L	0.03	03/10/1997
TCLP-Mercury, CVAA		1542	<0.0002		mg/L	0.0002	03/10/1997
TCLP-Selenium, ICP	1204	1527	<0.04		mg/L	0.04	03/10/1997
TCLP-Silver, ICP	1204	1589	<0.01		mg/L	0.01	03/10/1997
TCLP-ACID EXTRACTABLES - 8270							
TCLP-Cresols, Total	430	421	<0.066		mg/L	0.066	03/10/1997
TCLP-Pentachlorophenol	430	421	<0.33		mg/L	0.33	03/10/1997
TCLP-2,4,5-Trichlorophenol	430	421	<0.066		mg/L	0.066	03/10/1997
TCLP-2,4,6-Trichlorophenol	430	421	<0.066		mg/L	0.066	03/10/1997
TCLP-BASE NEUTRALS -- 8270							
TCLP-1,4-Dichlorobenzene	430	420	<0.066		mg/L	0.066	03/10/1997
TCLP-2,4-Dinitrotoluene	430	420	<0.066		mg/L	0.066	03/10/1997
TCLP-Hexachlorobenzene	430	420	<0.066		mg/L	0.066	03/10/1997
TCLP-Hexachlorobutadiene	430	420	<0.066		mg/L	0.066	03/10/1997
TCLP-Hexachloroethane	430	420	<0.066		mg/L	0.066	03/10/1997
TCLP-Nitrobenzene	430	420	<0.066		mg/L	0.066	03/10/1997
TCLP-Pyridine	430	420	<0.066		mg/L	0.066	03/10/1997
TCLP-8260							
TCLP-Benzene		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-2-Butanone (MEK)		1175	<0.50		mg/L	0.50	03/08/1997
TCLP-Carbon Tetrachloride		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-Chlorobenzene		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-Chloroform		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-1,2-Dichloroethane		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-1,1-Dichloroethene		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-Tetrachloroethene		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-Trichloroethene		1175	<0.025		mg/L	0.025	03/08/1997
TCLP-Vinyl chloride		1175	<0.05		mg/L	0.05	03/08/1997

Advisory Control Limits for Blanks

Metals/Met Chemistry/Conventionals/GC - All compounds should be less than the Reporting Limit.

GC/MS Semi-Volatiles - All compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the Reporting Limit.

GC/MS Volatiles - Toluene, Methylene chloride, Acetone and Chloroform should be less than 5 times the Reporting Limit. All other volatile compounds should be less than the Reporting Limit.

QUALITY CONTROL REPORT
Laboratory Control Sample
(LCS)

JOB NUMBER: 97.00820

Analyte	Prep Batch No.	Run Batch No.	LCS Spike Conc	Units	LCS Conc Found	LCS % Rec.	LCS Dup Conc. Found	LCS Dup % Rec	LCS % RPD	Flag	Date Analyzed
Cyanide, Reactive		497	1000	mg/kg	230	23					03/07/1997
pH, Corrosivity		1496	9.10	units	9.08	99					03/10/1997
Sulfide, Reactive		532	250	mg/kg	260	104					03/03/1997
TPH-418.1 (Hexanes)		1230	2660	mg/g	2557	98					03/07/1997
TCLP-Arsenic, ICP	1204	1528	1.00	mg/L	0.96	96					03/10/1997
TCLP-Barium, ICP	1204	1415	1.00	mg/L	0.94	94					03/10/1997
TCLP-Cadmium, ICP	1204	1590	1.00	mg/L	0.96	96					03/10/1997
TCLP-Chromium, ICP	1204	1589	1.00	mg/L	0.96	96					03/10/1997
TCLP-Lead, ICP	1204	1598	1.00	mg/L	0.95	95					03/10/1997
TCLP-Mercury, CVAA		1362	0.50	mg/L	0.41	82	0.52	104	24		03/10/1997
TCLP-Selenium, ICP	1204	1527	1.00	mg/L	0.95	95					03/10/1997
TCLP-Silver, ICP	1204	1586	1.00	mg/L	1.03	103					03/10/1997
EPA 8010-8080											
Benzene		929	100	ug/kg	117	117					03/07/1997
Ethylbenzene		929	100	ug/kg	139	139					03/07/1997
Toluene		929	100	ug/kg	119	119					03/07/1997
Xylenes, Total		929	300	ug/kg	372	136					03/07/1997
TCLP-ACID EXTRACTABLES - 8270											
TCLP-Cresols, Total	438	421	0.30	mg/L	0.170	57	0.169	56	0.7		03/10/1997
TCLP-Pentachlorophenol	438	421	0.10	mg/L	0.048	48	0.046	46	4.3		03/10/1997
TCLP-2,4,5-Trichlorophenol	438	421	0.10	mg/L	0.039	39	0.038	38	2.6		03/10/1997
TCLP-2,4,6-Trichlorophenol	438	421	0.10	mg/L	0.062	62	0.059	59	5		03/10/1997
TCLP-BASE NEUTRALS - 8270											
TCLP-1,4-Dichlorobenzene	438	420	0.10	mg/L	0.072	72	0.071	71	1.4		03/10/1997
TCLP-2,4-Dinitrotoluene	438	420	0.10	mg/L	0.063	63	0.061	61	3.2		03/10/1997
TCLP-Hexachlorobenzene	438	420	0.10	mg/L	0.061	61	0.059	59	3.3		03/10/1997
TCLP-Hexachlorobutadiene	438	420	0.10	mg/L	0.057	57	0.057	57	0		03/10/1997
TCLP-Hexachloroethane	438	420	0.10	mg/L	0.059	59	0.058	58	1.7		03/10/1997
TCLP-Nitrobenzene	438	420	0.10	mg/L	0.062	62	0.062	62	0		03/10/1997
TCLP-Pyridine	438	420	0.10	mg/L	0.074	74	0.067	67	9.9		03/10/1997
TCLP-8240											
TCLP-Benzene		1175	0.020	mg/L	0.021	105	0.019	95	10		03/08/1997
TCLP-2-Butanone (MEK)		1175	0.020	mg/L	0.028	140	0.031	155	10		03/08/1997
TCLP-Carbon Tetrachloride		1175	0.020	mg/L	0.026	130	0.028	140	7.6		03/08/1997
TCLP-Chlorobenzene		1175	0.020	mg/L	0.020	100	0.020	100	0		03/08/1997
TCLP-Chloroform		1175	0.020	mg/L	0.020	100	0.018	90	11		03/08/1997
TCLP-1,2-Dichloroethane		1175	0.020	mg/L	0.020	100	0.020	100	0		03/08/1997
TCLP-1,1-Dichloroethene		1175	0.020	mg/L	0.020	100	0.017	85	16		03/08/1997
TCLP-Tetrachloroethene		1175	0.020	mg/L	0.019	95	0.020	100	5.1		03/08/1997
TCLP-Trichloroethene		1175	0.020	mg/L	0.020	100	0.020	100	0		03/08/1997
TCLP-Vinyl chloride		1175	0.020	mg/L	0.013	65	0.016	80	21		03/08/1997

Advisory Control Limits for LCS

Inorganic Parameters - The LCS recovery should be 80-120%.

QUALITY CONTROL REPORT
Matrix Spike / Matrix Spike Duplicate
(MS / MSD)

JOB NUMBER: 97.00820

Analyte	Prep Batch No.	Run Batch No.	MS/MSD Sample Number	Conc. Spike Added	Units	Sample Result	Conc. MS Result	MS % Rec.	Conc. MSD Result	MSD % Rec.	RPD	Flag	Date Analyzed
TPH-418.1 (Nonaqueous)		1280	329482	500	ug/g	55	532	95	497	88	7.6		03/07/1997
TPH-418.1 (Nonaqueous)		1280	329570	125	ug/g	<10	114	91	122	98	6.8		03/11/1997
TCLP-Arsenic, ICP	1204	1528	329513	1.00	mg/L	<0.03	1.04	104	1.03	103	1		03/10/1997
TCLP-Barium, ICP	1204	1416	329513	1.00	mg/L	1.2	2.2	100	2.2	100	0		03/10/1997
TCLP-Cadmium, ICP	1204	1598	329513	1.00	mg/L	<0.01	0.93	93	0.91	91	2.2		03/10/1997
TCLP-Chromium, ICP	1204	1589	329513	1.00	mg/L	<0.01	0.98	98	0.95	95	2.2		03/10/1997
TCLP-Lead, ICP	1204	1598	329513	1.00	mg/L	<0.03	0.98	98	0.98	98	0		03/10/1997
TCLP-Selenium, ICP	1204	1527	329513	1.00	mg/L	<0.04	0.96	96	0.97	97	1		03/10/1997
TCLP-Silver, ICP	1204	1580	329513	1.00	mg/L	<0.01	1.01	101	1.01	101	0		03/10/1997
TCLP-Silver, ICP		1580	329080	1.00	mg/L	<0.01	1.01	101	1.01	101	0		03/10/1997
EPA 8020-8000Q			329482										
Benzene		929	329482	100	ug/kg	<10	114	114	109	109	4.5		03/07/1997
Ethylbenzene		929	329482	100	ug/kg	<10	138	138	130	130	6		03/07/1997
Toluene		929	329482	100	ug/kg	<10	109	109	104	104	4.7		03/07/1997
Xylenes, Total		929	329482	200	ug/kg	<10	265	133	251	126	6.9		03/07/1997
TCLP-8240			329513										
TCLP-Benzene		1175	329513	0.020	mg/L	<0.025	0.023	115	0.020	100	14		03/08/1997
TCLP-2-Butanone (MEK)		1175	329513	0.020	mg/L	<0.50	0.017	85	0.018	90	5.7		03/08/1997
TCLP-Carbon Tetrachloride		1175	329513	0.020	mg/L	<0.025	0.025	125	0.026	130	3.9		03/08/1997
TCLP-Chlorobenzene		1175	329513	0.020	mg/L	<0.025	0.025	125	0.022	110	13		03/08/1997
TCLP-Chloroform		1175	329513	0.020	mg/L	<0.025	0.021	105	0.018	90	35		03/08/1997
TCLP-1,2-Dichloroethane		1175	329513	0.020	mg/L	<0.025	0.023	115	0.021	105	9.1		03/08/1997
TCLP-1,1-Dichloroethene		1175	329513	0.020	mg/L	<0.025	0.021	105	0.018	90	15		03/08/1997
TCLP-Tetrachloroethene		1175	329513	0.020	mg/L	<0.025	0.023	115	0.020	100	14		03/08/1997
TCLP-Trichloroethene		1175	329513	0.020	mg/L	<0.025	0.022	110	0.020	100	9.5		03/08/1997
TCLP-Vinyl chloride		1175	329513	0.020	mg/L	<0.05	0.017	85	0.017	85	0		03/08/1997

Advisory Control Limits for MS/MSDs

Inorganic Parameters - The spike recovery should be 75-125% if the spike amount value is greater than or equal to one fourth of the sample sample value. The RPD for the MS/MSD should be less than 20.

NOTE: Matrix Spike Samples may not be samples from this job.

QUALITY CONTROL REPORT
DUPLICATES

JOB NUMBER: 97.00820

Analyte	Prep Batch No.	Run Batch No.	Sample Result	Duplicate Sample Result	Units	RPD	Flag	Date Analyzed
pH. Corrosivity		1405	8.17	8.22	units	0.6		02/18/1997

Advisory Control Limits for Spikes

The spike recovery should be 75-125% if the spike amount is greater than or equal to one fourth of the sample result value.

NOTE: Spike Samples may not be samples from this job.

Advisory Control Limits for Duplicates

The RPD for the sample and duplicate should be less than 20.

EPIC LABORATORIES, INC.

1548 VALWOOD PARKWAY, SUITE 110
CARROLLTON, TEXAS 75006
DALLAS (972) 406-6100
AUSTIN (512) 929-8963

CHAIN OF CUSTODY RECORD

COMPANY CSI / RHINO ENVIRONMENTAL
ADDRESS P.O. BOX 25547 ALBUQUERQUE, NM 87125
PHONE 1-505-242-4444 FAX (505) 247-4941
PROJECT NAME/LOCATION AJ SERVICES HOBBS, NM
PROJECT NUMBER NM-97-001
PROJECT MANAGER ANDY LANDOLL

REPORT TO:
INVOICE TO:
P.O. NO.
EPIC QUOTE NO.

SAMPLED BY: ERNIE T. MCFERRON (PRINT NAME)
SIGNATURE
(PRINT NAME)
SIGNATURE

23 # and Type of Containers

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	VOA	NON-VOA	PESTICIDES	PCBs	OTHER	TPH 418.1	BTEX 8020	TCLP-RCI	TPH 8015	RCRA METALS	PAH	TCLP VOLATILES & SEMI VOLATILES		PH
3/6/97	09:50	SOUTH STOCK PILE COMPOSITE	Soil		X						X	X	X				X		X
3/6/97	11:01	EAST STOCKPILE COMPOSITE	Soil		X						X	X	X				X		X
3/6/97	11:52	SW-E	Soil		X							X		X	X				
3/6/97	11:56	SW-S	Soil		X							X		X					
3/6/97	12:45	SW-W	Soil		X							X		X					
3/6/97	12:23	T-A	Soil		X							X		X					
3/6/97	12:17	T-B	Soil		X						X	X			X	X			
3/6/97	12:06	T-C	Soil		X						X	X							
3/6/97	11:39	T-D	Soil		X							X		X					

To assist us in selecting the proper method:
Is this work being conducted for regulatory compliance monitoring? Yes ___ No ___
Is this work being conducted for regulatory enforcement action? Yes ___ No ___
Which regulations apply: RCRA ___ NPDES/Wastewater ___ UST ___ Drinking Water ___ Other ___ Other ___

COMMENTS

BILL ON BTX: TPH & BTEX ON TCLP-RCI
BILL ON BTX: TPH & BTEX ON TCLP-RCI
9 DAY TURN AROUND
9 DAY TURN AROUND
9 DAY TURN AROUND
" " " "
" " " "
" " " "
" " " "
NOTE ON SAMPLES SW-E, SW-S, SW-W, T-A & T-D LABELS WERE BROKEN. THEY NEED TO BE TPH 8015

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT: ___
Bottles supplied by EPIC? YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA ___
I REQUEST EPIC TO DISPOSE OF ALL SAMPLE REMAINDERS
DATE 03/06/97

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED BY:
	03/06/97	13:40			3/7/97	10:00	

METHOD OF SHIPMENT
REMARKS:

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
P. O. Drawer DD
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-5810

State of New Mexico

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

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FEB 10 2000
Environmental Bureau
Oil Conservation Division

Form C-13
Originated 1/19/9

Submit Origin
Plus 1 Co
to Santa
1 Copy to appropria
District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Escudero, Inc
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site 3205 Garden City Hwy, Midland, TX
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino Environmental
3. Address of Facility Operator 8mls S. of Hobbs, Lea County	8. State NM
7. Location of Material (Street Address or ULSTR)	3205 Garden City Hwy. E. Hwy 158, Midland, TX 79710

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to APPROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approve.

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

BRIEF DESCRIPTION OF MATERIAL:

1) alkyl pyridine corrosive inhibitor
2) quaternized amine/corrosion/surfactant

emergency response

Estimated Volume 212 cy Known Volume (to be entered by the operator at the end of the haul) 212 cy

SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 12/8/99

TYPE OR PRINT NAME Daniele Berardelli TELEPHONE NO. (505) 644-2158

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyne J Kieling TITLE: Environmental Geologist DATE: 2-11-00

CERTIFICATE OF WASTE STATUS

1. Generator (Name): ESCUDERO, INC Address: P.O. BOX 51207 MIDLAND, TX 79710	3. Location (Street Address &/or ULSTR): 3205 GARDEN CITY HWY E. HWY 158 MIDLAND, TX 79710
2. Originating Site (Name): ESCUDERO, INC MIDLAND	4. Destination Name: TWIN WELLS Rd - CR 787 & BUCK JACKSON Rd. EDDY COUNTY, N.M

5. Source and Description of Waste 1) DALKYL PYRIDINE CORROSION INHIBITOR 2) QUATERNIZED AMINE / CORROSION / SURFACTANT
#1 has 3% METHANOL & #2 has 20% METHANOL CONTENT

I, LARRY A. RIPPEE representative for: ESCUDERO, INC do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

X NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
X RCRA TCLP Analysis
___ Chain of Custody
___ Other (Description)

Name (Signature): Larry A. Rippee

Printed Name: LARRY A. RIPPEE

Title: PRESIDENT

Date: 11/3/99

Attach list of originating sites as appropriate.

P.O. Box 4232
Anthony, New Mexico 88021
Ph: (505) 644-2158
Fx: (505) 882-0563
dgberardelli@hotmail.com

RHINO

To: Martyne Kieling Fax: (505) 827-8177

From: Daniele Date: 2/10/00

Re: Escudero Pages: 8 + 10

CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Notes:

CONFIDENTIAL

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

November 23, 1999

Mr. Allen Hodge
Rhino Env. Services
4007 Lovington Hwy.

Hobbs, NM 88240
TEL: 505-392-4498 FAX: 505-392-9376

Work Order: 9911233
Project: Escudero Truck Crash

Dear Client:

Anachem, Inc. received 3 samples on 11/15/1999 for the analyses presented in the following report.

The samples were analyzed for the following tests:

BTEX by EPA 8021 - Solid
CORROSIVITY (EPA 9040)
Ignitability - Solid
Ion Chromatograph Solid (EPA 300.0)
Chloride
Mercury Digestion (EPA 7470)
Reactivity (Full)
TCLP Herbicides-SOIL
TCLP MERCURY (EPA 7470)
TCLP Microwave Digestion (EPA 3015)
TCLP Pesticides-SOIL
TCLP RCRA Metals (EPA 6010)
TCLP Sample Prep (Metals)
TCLP Sample Prep (Organics)
TCLP Semivolatiles-SOIL
TCLP Volatiles - Solid
TCLP ZHE (Volatile Extraction)
TPH DRO by Mod. EPA 8015 - Solid
TPH GRO by Mod. EPA 8015 - Solid

ANACHEM INC.
8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9688 • 1-800-966-1186

November 23, 1999

Mr. Allen Hodge
Rhino Env. Services
Work Order: 9911233
Project: Escudero Truck Crash

Respectfully Submitted,
Anachem, Inc.

C.E. Newton, Ph.D.
Chemist

Howard H. Hayden, B.S.
Chemist

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned. The use of our name and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualitites of apparently identical or similar materials.

Anachem, Inc.

Date: *23-Nov-99*

CLIENT:	Rhino Env. Services	**Client Sample ID:**	North Comp. Bottom @ 2ft
Work Order:	9911233	**Location:**	SEC 18, T245,R31E, Eddy Co., N
Project:	Escudero Truck Crash	**Collection Date:**	11/5/99
Lab ID:	9911233-01A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
BTEX BY EPA 8021 - SOLID		**Prep Date**		Analyst: **AT**
Benzene	ND	0.4	mg/Kg	11/15/99
Ethylbenzene	ND	0.5	mg/Kg	11/15/99
Toluene	ND	0.5	mg/Kg	11/15/99
Xylenes, Total	ND	0.5	mg/Kg	11/15/99
ION CHROMATOGRAPH SOLID (EPA 300.0)		**Prep Date**		Analyst: **SD**
Chloride	231	0.01	mg/Kg	11/22/99
TPH DRO BY MOD. EPA 8015 - SOLID		**Prep Date** 11/16/99		Analyst: **MP**
Diesel Range Organics	ND	5	mg/Kg	11/18/99
TPH GRO BY MOD. EPA 8015 - SOLID		**Prep Date**		Analyst: **AT**
Gasoline Range Organics	ND	1	mg/Kg	11/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *23-Nov-99*

CLIENT:	Rhino Env. Services	**Client Sample ID:**	South Comp. Bottom @ 2ft
Work Order:	9911233	**Location:**	SEC 18, T245,R31E, Eddy Co., N
Project:	Escudero Truck Crash	**Collection Date:**	11/5/99
Lab ID:	9911233-02A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
BTEX BY EPA 8021 - SOLID		**Prep Date**		Analyst: **AT**
Benzene	ND	0.4	mg/Kg	11/15/99
Ethylbenzene	ND	0.5	mg/Kg	11/15/99
Toluene	ND	0.5	mg/Kg	11/15/99
Xylenes, Total	ND	0.5	mg/Kg	11/15/99
ION CHROMATOGRAPH SOLID (EPA 300.0)		**Prep Date**		Analyst: **SD**
Chloride	943	0.01	mg/Kg	11/22/99
TPH DRO BY MOD. EPA 8015 - SOLID		**Prep Date** 11/16/99		Analyst: **MP**
Diesel Range Organics	ND	5	mg/Kg	11/16/99
TPH GRO BY MOD. EPA 8015 - SOLID		**Prep Date**		Analyst: **AT**
Gasoline Range Organics	ND	1	mg/Kg	11/15/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *23-Nov-99*

CLIENT:	Rhino Env. Services	**Client Sample ID:**	Excavated Impacted Soils
Work Order:	9911233	**Location:**	SEC 18, T245,R31E, Eddy Co., N
Project:	Escudero Truck Crash	**Collection Date:**	11/5/99
Lab ID:	9911233-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
CORROSIVITY (EPA 9040)		**Prep Date**		Analyst: **SD**
pH	7.4	0.005	pH Units	11/23/99
IGNITABILITY - SOLID		**Prep Date**		Analyst: **SD**
Ignitability	ND	1	°F	11/20/99
Flash Point = >155F				
REACTIVITY (FULL)		**Prep Date**		Analyst: **SD**
Cyanide, Reactive	ND	0.1	mg/Kg	11/20/99
Reactivity to Acid	ND	0	mg/Kg	11/20/99
Reactivity to Air	ND	0	mg/Kg	11/20/99
Reactivity to Alkali	ND	0	mg/Kg	11/20/99
Reactivity to Water	ND	0	mg/Kg	11/20/99
Sulfide, Reactive	ND	0.3	mg/Kg	11/20/99
TCLP HERBICIDES-SOIL		**Prep Date** 11/17/99		Analyst: **HH**
2,4,5-TP (Silvex)	ND	0.0005	mg/L	11/18/99
2,4-D	ND	0.005	mg/L	11/18/99
TCLP MERCURY (EPA 7470)		**Prep Date** 11/17/99		Analyst: **BMC**
Mercury	ND	0.0003	mg/L	11/18/99
TCLP RCRA METALS (EPA 6010)		**Prep Date** 11/17/99		Analyst: **BMC**
Arsenic	ND	0.025	mg/L	11/17/99
Barium	1.34	0.003	mg/L	11/17/99
Cadmium	ND	0.003	mg/L	11/17/99
Chromium	ND	0.003	mg/L	11/17/99
Lead	ND	0.037	mg/L	11/17/99
Selenium	0.079	0.037	mg/L	11/17/99
Silver	ND	0.025	mg/L	11/17/99
TCLP PESTICIDES-SOIL		**Prep Date** 11/16/99		Analyst: **HH**
Chlordane	ND	0.005	mg/L	11/17/99
Endrin	ND	0.005	mg/L	11/17/99
gamma-BHC	ND	0.005	mg/L	11/17/99
Heptachlor	ND	0.005	mg/L	11/17/99
Heptachlor epoxide	ND	0.005	mg/L	11/17/99
Methoxychlor	ND	0.005	mg/L	11/17/99
Toxaphene	ND	0.005	mg/L	11/17/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: *23-Nov-99*

CLIENT:	Rhino Env. Services	**Client Sample ID:**	Excavated Impacted Soils
Work Order:	9911233	**Location:**	SEC 18, T245,R31E, Eddy Co., N
Project:	Escudero Truck Crash	**Collection Date:**	11/5/99
Lab ID:	9911233-03A	**Matrix:**	SOIL

Analyses	Result	Limit	Units	Date Analyzed
TCLP SEMIVOLATILES-SOIL		**Prep Date** 11/17/99		Analyst: **HH**
2,4,5-Trichlorophenol	ND	0.1	mg/L	11/17/99
2,4,6-Trichlorophenol	ND	0.1	mg/L	11/17/99
2,4-Dinitrotoluene	ND	0.1	mg/L	11/17/99
Cresols, Total	ND	1	mg/L	11/17/99
Hexachlorobenzene	ND	0.1	mg/L	11/17/99
Hexachlorobutadiene	ND	0.1	mg/L	11/17/99
Hexachloroethane	ND	0.1	mg/L	11/17/99
Nitrobenzene	ND	0.1	mg/L	11/17/99
Pentachlorophenol	ND	0.1	mg/L	11/17/99
Pyridine	ND	0.1	mg/L	11/17/99
TCLP VOLATILES - SOLID		**Prep Date**		Analyst: **MC**
1,1-Dichloroethene	ND	0.1	mg/L	11/20/99
1,2-Dichloroethane	ND	0.1	mg/L	11/20/99
1,4-Dichlorobenzene	ND	0.1	mg/L	11/20/99
2-Butanone	ND	0.1	mg/L	11/20/99
Benzene	ND	0.1	mg/L	11/20/99
Carbon tetrachloride	ND	0.1	mg/L	11/20/99
Chlorobenzene	ND	0.1	mg/L	11/20/99
Chloroform	ND	0.1	mg/L	11/20/99
Tetrachloroethene	ND	0.1	mg/L	11/20/99
Trichloroethene	ND	0.1	mg/L	11/20/99
Vinyl chloride	ND	0.1	mg/L	11/20/99

Qualifiers: ND - Not Detected at the Reporting Limit

B - Analyte detected in the associated Method Blank

Anachem, Inc.

Date: 23-Nov-99

CLIENT: Rhino Env. Services
Work Order: 9911233
Project: Escudero Truck Crash

QC SUMMARY REPORT

TCLP RCRA Metals (EPA 6010) Units: mg/L Analysis Date: 11/17/1999

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Arsenic	5	101.8%	97.0%	75%	125%	5.5%	15
Barium	5	83.5%	78.3%	75%	125%	4.2%	15
Cadmium	5	96.6%	92.2%	75%	125%	4.7%	15
Chromium	5	89.3%	85.5%	75%	125%	4.3%	15
Lead	5	94.8%	90.0%	75%	125%	5.2%	15
Nickel	5	93.9%	89.9%	75%	125%	4.3%	15
Selenium	5	116.4%	98.8%	75%	125%	16.0%	15
Silver	5	96.4%	92.0%	75%	125%	4.7%	15

TCLP MERCURY (EPA 7470) Units: mg/L Analysis Date: 11/18/1999

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Mercury	0.04	97.8%	98.0%	75%	125%	0.3%	15

Reactivity (Full) Units: mg/Kg Analysis Date: 11/20/1999

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Cyanide, Reactive	2.5	107.6%	104.4%	50%	150%	3.0%	15
Sulfide, Reactive	500	100.5%	101.3%	50%	150%	0.8%	15

Ion Chromatograph Solid (EPA 300.0) Units: mg/Kg Analysis Date: 11/22/1999

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Chloride	5.6	107.1%	109.5%	80%	120%	0.5%	15

Anachem, Inc.

Date: *23-Nov-99*

CLIENT: Rhino Env. Services
Work Order: 9911233
Project: Escudero Truck Crash

QC SUMMARY REPORT

BTEX by EPA 8021 - Solid Units: mg/Kg Analysis Date: 11/15/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Benzene	100	112.0%	115.0%	60%	140%	2.6%	30
Ethylbenzene	100	92.6%	100.0%	60%	140%	7.7%	30
Toluene	100	97.6%	103.0%	60%	140%	5.4%	30
Xylenes, Total	300	91.9%	94.1%	60%	140%	2.3%	30

TPH DRO by Mod. EPA 8015 - Solid Units: mg/Kg Analysis Date: 11/16/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
Diesel Range Organics	500	47.8%	41.8%	20%	150%	13.4%	30

Base Neutral & Acids Extractables by EPA 625 Units: µg/L Analysis Date: 11/17/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2-Chlorophenol	100000	96.7%	79.6%	23%	145%	19.4%	31
Acenaphthene	50000	95.0%	78.8%	47%	145%	18.6%	31
Phenol	100000	88.6%	74.0%	10%	120%	18.0%	42
Pyrene	50000	108.4%	92.2%	52%	125%	16.2%	31

Organochlorine Pesticides/PCB by EPA 8081 -Aqueous Units: µg/L Analysis Date: 11/17/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
4,4'-DDD	200	84.8%	84.5%	31%	141%	0.5%	35
4,4'-DDT	200	52.8%	54.1%	25%	160%	2.3%	35
Endosulfan sulfate	200	54.7%	69.0%	26%	144%	23.2%	35
Endrin	200	60.8%	61.9%	30%	147%	1.8%	35
Heptachlor	200	69.5%	70.4%	33%	135%	1.4%	35

TCLP Herbicides-SOIL Units: mg/L Analysis Date: 11/18/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
2,4,5-TP (Silvex)	0.5	68.6%	79.4%	8%	170%	14.6%	35
2,4-D	5	76.9%	84.0%	6%	170%	8.8%	35

Volatiles by EPA 8260 - Aqueous Units: µg/L Analysis Date: 11/20/99

Analyte	SPK value	REC 1	REC 2	LowLimit	HighLimit	%RPD	RPDLimit
1,1-Dichloroethene	20	115.7%	142.5%	20%	234%	20.8%	25
Benzene	20	108.2%	115.3%	37%	151%	6.3%	25
Chlorobenzene	20	110.2%	115.3%	37%	160%	4.5%	25
Toluene	20	101.6%	110.9%	47%	150%	8.8%	25
Trichloroethene	20	113.2%	118.2%	71%	157%	4.3%	25

Purchase Order/Chain Of Custody

Page___of ___.

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: ALLEN Hodge	Bill To: (Buyer) RHINO
Company: RHINO ENV. SERV. INC.	Purchase Order #:
Address: 4007 Lovington, Hwy	Address: P.O. BOX 25547
City, State, Zip: Hobbs, NM 88240	City, State, Zip: ALBQ, NM. 87125
Phone: 505-392-~~9376~~ 4498 Fax: 392-9376	Phone: 800-762-0241 Fax: 505-797-4874

Project Name: ESCUDERO TRUCK CRASH Quote #:

Project Location: SEC 18, T24S, R31E City, State: Eddy Co. NM

Date Due: ASAP Rush: 0% 25% 50% 100% Sampled By: ALLEN Hodge

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	TPH 8015 DRO/GRO	BTEX 8020	CL	FULL TCLP	RCI			
9911233-01	1. NORTH COMP. BOTTOM @ 2'	soil	11/99/1400	ICE	X	X	X					
-02	2. SOUTH COMP. BOTTOM @ 2'	soil	11/99/1415	ICE	X	X	X					
-03	3. EXCAVATED IMPACTED SOILS	soil	11/99/1530	1-2 COMPOSITE				X	X			
	4.											
	5.											
	6.											
	7.											
	8.											
	9.											
	10.											

Relinquished By	Date	Time	Received By	Date	Time
[signature]	11/12/99	1600	[signature]	11/15/99	10:20

Sample Receipt Notes
Temperature
Preserved Properly
COC Seals Intact
Method of Shipment

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal____
Accept Returned Sample ____

Submission # 9911233

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
P. O. Drawer DD
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-5810

State of New Mexico

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

RECEIVED
JAN 11 2000
Environmental Bureau
Oil Conservation Division

Form C-13
Originated 1/19/9

Submit Origin
Plus 1 Co
to Santa
1 Copy to appropria
District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☑ Non-Exempt: ☐	4. Generator Avra Oil Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Taylor Fee Lease
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino
3. Address of Facility Operator 8 mls S. of Hobbs, Lea County	8. State NM
7. Location of Material (Street Address or ULSTR)	Sec. 11, 18S, R38E

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to APPROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approve.

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

BRIEF DESCRIPTION OF MATERIAL:

soil contaminated - single well emergency overflow pit

Estimated Volume 850 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: Manager DATE: 12-10-99

TYPE OR PRINT NAME Danele Berardelli TELEPHONE NO. (505) 644-2158

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environ. Eng. Specialist DATE: 01-06-~~99~~ 2000 D.W.

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 01-10-00

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: AVRA-OIL COMPANY P.O. Box 3193 Midland, TX. 79702	3. Location (Street Address &/or ULSTR): G - Sec. 11, 18S, 38E
2. Originating Site (Name): Taylor FEE LEASE	4. Destination Name: RHINO ENVIRONMENTAL SERVICES OCD FARM

5. Source and Description of Waste
SINGLE WELL EMERGENCY OVERFLOW PIT

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

X EXEMPT oilfield waste ____ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate boxes):

____ MSDS Information
____ RCRA TCLP Analysis
____ Chain of Custody
____ Other (Description)

Name (Signature): Saeed Afghahi

Printed Name: SAEED AFGHAHI

Title: PRESIDENT

Date: 12-10-99

Attach list of subjacent sites as appropriate.

1-11-00

Donna,
Exempt waste Does Not Need to Come to
Santa Fe. You May Keep them on File in
The District,
Signed Anyway Sorry?!

Marlyn

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
P. O. Drawer DD
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-5810

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

Form C-13
Originated 1/19/9

Submit Origin
Plus 1 Co
to Santa
1 Copy to appropria
District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☑ Non-Exempt: ☐	4. Generator Avra Oil Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Taylor Fee Lease
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino
3. Address of Facility Operator 8 mls S. of Hobbs, Lea County	8. State NM
7. Location of Material (Street Address or ULSTR)	Sec. 11, 18S, R38E

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to APPROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approve.

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

BRIEF DESCRIPTION OF MATERIAL:

soil contaminated - single well emergency overflow pit

Estimated Volume 850 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: Manager DATE: 12-10-99

TYPE OR PRINT NAME Danele Berardelli TELEPHONE NO. (505) 644-2158

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 01-11-00

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: AVRA OIL COMPANY P.O. Box 3193 Midland, TX. 79702	3. Location (Street Address &/or ULSTR): G - Sec. 11, 18S, 38E
2. Originating Site (Name): TAYLOR FEE LEASE	4. Destination Name: RHINO ENVIRONMENTAL SERVICES OCD FARM

5. Source and Description of Waste
SINGLE WELL EMERGENCY OVERFLOW PIT

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

X EXEMPT oilfield waste ___NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___MSDS Information
___RCRA TCLP Analysis
___Chain of Custody
___Other (Description)

Name (Signature): Saeed Afghahi

Printed Name: SAEED AFGHAHI

Title: PRESIDENT

Date: 12-10-99

Attach list of originating sites as appropriate.

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

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

Form C-13
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Conoco, Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Lockhart B-11 Tank Battery
2. Management Facility Destination Rhino OCD Landfarm	6. Transporter Rhino Environmental
3. Address of Facility Operator 5 CR 6065, Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	Sec. 11, T21S, R37E Lea County, NM

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Hydrocarbon impacted soil from an old production pit.

Estimated Volume 8,000 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 4/15/99
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 598-9626
-9627 fax
392-9376-Hobbs

(This space for State Use)

APPROVED BY: Donna L. Williams TITLE: Environmental Eng. DATE: 4-21-99

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 4/19/99

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 598-9626
-9627 fax
392-9376-Hobbs

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 4/19/99

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: CONOCO, INC. 1410 WEST CO. Rd. Hobbs, NM 88240	3. Location (Street Address &/or ULSTR): SEC. 11, T21S, R37E LEA CO, NM
2. Originating Site (Name): CONOCO, INC LOCKHART B-11 TANK BATTERY	4. Destination Name: RHINO ENV. SERV., INC OCD LANDFARM 8 MILES SOUTH OF Hobbs HWY 18 LEA CO, NM

5. Source and Description of Waste
HYDROCARBON IMPACTED SOILS FROM OLD PRODUCTION PIT

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

___ EXEMPT oilfield waste

X NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
X RCRA TCLP Analysis
___ Chain of Custody
___ Other (Description)

Name (Signature): [signature]

Printed Name: LEO GATSON

Title: Sr. Field SHEAR Specialist

Date: 3-31-99

Attach list of originating sites as appropriate.

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

Customer Name: Rhino Env. - Hobbs
Date Received: April 8, 1999 at 10:00:00
Date Reported: April 13, 1999
Submission #: 9904000114
Project: LOCKHART B-11 PIT CLOSURE

SAMPLES The submission consisted of 1 sample with sample I.D. shown in the attached data table.

TESTS The sample listed in the attached result pages was analyzed for:
* CORROSIVITY (EPA 9040)
* IGNITABILITY (ASTM D92)
* MERCURY DIGESTION, TCLP (EPA 7470)
* MICROWAVE DIGESTION, TCLP (EPA 3015)
* REACTIVITY (FULL)
* TCLP HERBICIDES (EPA 8150A)
* TCLP NON-VOLATILE EXTRACTION (EPA 1311)
* TCLP PESTICIDES (EPA 8080A)
* TCLP RCRA MERCURY (EPA 7470)
* TCLP RCRA METALS (EPA 6010)
* TCLP SEMI-VOLATILES (EPA 8270)
* TCLP VOLATILES (EPA 8260)
* TCLP ZHE FOR VOLATILE ORGANICS (EPA 1311)

Distribution Of Reports
1-Mr. Allen Hodge of Rhino Env. - Hobbs
Ph. 505-392-4498 Fax 505-392-9376

Respectfully Submitted,
Anachem,Inc.

Howard H. Hayden, B.S.
Chemist

C.E. Newton, Ph.D.
Chemist

Submission #: 9904000114 lims

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned or a $20 disposal fee will be assessed. Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualitites of apparently identical or similar materials.

135305 to 136306

Client Name: Rhino Env. - Hobbs
Submission #: 9904000114
Project Name: LOCKHART B-11 PIT CLOSURE
Report Date: 04/13/99

Client Sample #: COMPOSITE OF PIT MATERIAL
Laboratory ID #: 135305 *Order Type: Normal Matrix: Soil*
Sample Container: *4oz EPA Approved Glass Jar\Black lid*
Sampling Location: *CONOCO HOBBS, NM*
Sampling Date : *04/06/99*

MERCURY DIGESTION, TCLP (EPA 7470)
Mercury Digestion Date: 04/09/99

MICROWAVE DIGESTION, TCLP (EPA 3015)
Microwave Digestion Date: 04/09/99

TCLP HERBICIDES (EPA 8150A)
Prep Date: 04/13/99

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
94-75-7	2,4-D	<0.010	0.010	10
93-72-1	2,4,5-TP (Silvex)	<0.003	0.003	1

TCLP NON-VOLATILE EXTRACTION (EPA 1311)
TCLP Extraction Date: 04/09/99

TCLP PESTICIDES (EPA 8080A)
Prep Date: 04/09/99

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
58-89-9	gamma-BHC (Lindane)	<0.010	0.010	0.04
57-74-9	Chlordane	<0.010	0.010	0.03
72-20-8	Endrin	<0.010	0.010	0.02
76-44-8	Heptachlor	<0.005	0.005	0.008
1024-57-3	Heptachlor Epoxide	<0.005	0.005	0.008
72-43-5	Methoxychlor	<0.010	0.010	10.0
8001-35-2	Toxaphene	<0.010	0.010	0.5

TCLP RCRA MERCURY (EPA 7470)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
7439-97-6	TCLP Mercury	**0.0009**	0.0004	0.2

TCLP RCRA METALS (EPA 6010)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
7440-38-2	Arsenic	<0.025	0.025	5
7440-39-3	Barium	**1.08**	0.003	100
7440-43-9	Cadmium	<0.003	0.003	1
7440-47-3	Chromium	<0.003	0.003	5
7439-92-1	Lead	<0.037	0.037	5
7482-49-2	Selenium	<0.037	0.037	1
7440-39-2	Silver	<0.025	0.025	5

TCLP SEMI-VOLATILES (EPA 8270)
Prep Date:: 04/13/99

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
no C.A.S.	Cresol (Total)	<1.0	1.0	200.0
121-14-2	2,4-Dinitrotoluene	<0.10	0.10	0.13
118-74-1	Hexachlorobenzene	<0.10	0.10	0.13
87-68-3	Hexachlorobutadiene	<0.20	0.20	0.5
67-72-1	Hexachloroethane	<0.10	0.10	3.0
98-95-3	Nitrobenzene	<0.50	0.50	2.0
87-86-5	Pentachlorophenol	<0.20	0.20	100.0

Client Name: Rhino Env. - Hobbs
Submission #: 9904000114
Project Name: LOCKHART B-11 PIT CLOSURE
Report Date: 04/13/99

TCLP SEMI-VOLATILES (EPA 8270)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
110-86-1	Pyridine	<0.50	0.50	5.0
95-95-4	2,4,5-Trichlorophenol	<0.50	0.50	400.0
88-06-2	2,4,6-Trichlorophenol	<0.50	0.50	2.0

TCLP VOLATILES (EPA 8260)
Date analyzed: 04/09/99

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
71-43-2	Benzene	<0.10	0.10	0.5
56-23-5	Carbon Tetrachloride	<0.10	0.10	0.5
108-90-7	Chlorobenzene	<0.10	0.10	100
67-66-3	Chloroform	<0.10	0.10	6.0
106-46-7	1,4-Dichlorobenzene	<0.10	0.10	7.5
107-06-2	1,2-Dichloroethane	<0.10	0.10	0.5
75-35-4	1,1-Dichloroethylene	<0.10	0.10	0.7
78-93-3	Methyl Ethyl Ketone	<0.10	0.10	200.0
127-18-4	Tetrachloroethylene	<0.10	0.10	0.7
79-01-6	Trichloroethylene	<0.10	0.10	0.5
75-01-4	Vinyl Chloride	<0.10	0.10	0.2

TCLP ZHE FOR VOLATILE ORGANICS (EPA 1311)
TCLP ZHE Extraction Date: 04/08/99

Report To: Rhino Env. Service
Lab Number: 9904000114
Page 4 of 5

Project: Lockhart B-11 Pit Closure

QUALITY CONTROL DATA

ANALYTE	DATE ANALYZED	SPIKE (ppm)	STAND. DEV.	COEFF. OF VAR %	REC1/%	REC2/%
Mercury	4/9/99	----	0.0022	5.2	103	95
Silver	4/9/99	5.0	0.113	2.1	107.8	104.6
Arsenic	4/9/99	5.0	0.050	1.0	97.4	96.0
Chromium	4/9/99	5.0	0.064	1.4	90.0	88.2
Lead	4/9/99	5.0	0.035	0.8	94.3	93.3
Selenium	4/9/99	5.0	0.035	0.7	97.9	96.9
Barium	4/9/99	5.0	0.071	1.5	92.8	90.8
Cadmium	4/9/99	5.0	0.064	1.4	94.5	92.7

Standard Deviation = (x1-x2)/1.414
Coefficient of Variability % = (S.D./Avg.) X 100
Recovery % = [(spiked-unspiked)/expected] X 100

TCLP VOLATILE ORGANICS QUALITY CONTROL DATA

METHOD	ANALYST	MATRIX	DATE EXTRACTED	DATE ANALYZED
8260	Mike Carlo	Liquid	-----	4/9/99

SPIKE COMPOUND	SPIKE AMOUNT	% REC 1	% REC 2	% REC QC LIMIT	% VAR.	% VAR QC LIMIT
1,1-Dichloroethene	20 ppb	143	145	20-234	1.7	25.0
Trichloroethene	20 ppb	98.0	97.9	71-157	0.10	25.0
Benzene	20 ppb	107	106	37-151	0.84	25.0
Toluene	20 ppb	97.4	96.2	47-150	1.2	25.0
Chlorobenzene	20 ppb	98.0	97.2	37-160	0.87	25.0

TCLP SEMI-VOLATILES QUALITY CONTROL DATA

METHOD	ANALYST	MATRIX	DATE EXTRACTED	DATE ANALYZED
8270	Howard Hayden	Liquid	4/13/99	4/13/99

SPIKE COMPOUND	SPIKE AMOUNT	% REC 1	% REC 2	% REC QC LIMIT	% VAR.	% VAR QC LIMIT
Phenol	200 ppb	103	107	10-120	3.7	42.0
2-Chlorophenol	200 ppb	110	118	23-134	6.8	40.0
Acenaphthene	100 ppb	81.5	101	47-145	19	31.0
Pyrene	100 ppb	56.0	65.7	52-125	15	31.0

Report To: Rhino Env. Service
Lab Number: 9904000114
Page 5 of 5

Project: Lockhart B-11 Pit Closure

TCLP PESTICIDES QUALITY CONTROL DATA

METHOD	ANALYST	MATRIX	DATE EXTRACTED	DATE ANALYZED
8080	Howard Hayden	Liquid	4/9/99	4/9/99

SPIKE COMPOUND	SPIKE AMOUNT	% REC 1	% REC 2	% REC QC LIMIT	% VAR.	% VAR QC LIMIT
4,4'-DDD	0.200 ppb	58.5	73.9	31-141	21	35
4,4'-DDT	0.200 ppb	51.1	67.1	25-160	24	35
Heptachlor	0.200 ppb	53.5	59.5	33-135	10	35
Endosulfan Sulfate	0.200 ppb	66.0	78.3	26-144	16	35
Endrin	0.200 ppb	52.2	62.8	30-147	17	35

TCLP HERBICIDES QUALITY CONTROL DATA

METHOD	ANALYST	MATRIX	DATE EXTRACTED	DATE ANALYZED
8150	Howard Hayden	Liquid	4/13/99	4/13/99

SPIKE COMPOUND	SPIKE AMOUNT	% REC 1	% REC 2	% REC QC LIMIT	% VAR.	% VAR QC LIMIT
2,4-D	0.5 ppm	111	97.2	8.0-170	12	35
2,4,5-T	0.5 ppm	89.4	96.3	8.0-170	7.2	35
2,4,5-TP (Silvex)	0.5 ppm	94.3	101	8.0-170	6.6	35

Purchase Order/Chain Of Custody

Page___of ___.

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: ALLEN HODGE	Bill To: (Buyer) RHINO
Company: RHINO ENV SER. INC	Purchase Order #:
Address: 4007 LOVINGTON HWY	Address: P.O. BOX 25547
City, State, Zip: Hobbs, NM 88240	City, State, Zip: ALBQ. NM 87125
Phone: 505-392-4498 Fax: 505-392-9376	Phone: 800-762-0241 Fax: 505-297-4874

Project Name: LOCKHART B-11 PIT CLOSURE Quote #:

Project Location: CONOCO Hobbs City, State: NM

Date Due: ASAP Rush: 0% 25% 50% 100% Sampled By: ALLEN HODGE

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	Analysis: FULL TCLP	Analysis: + RCI
135305	1. COMPOSITE OF PIT MATERIAL	SOIL	4-6-99/1500		X	X
	2.					
	3.					
	4.					
	5.					
	6.					
	7.					
	8.					
	9.					
	10.					

Relinquished By	Date	Time	Received By	Date	Time
[signature]	4-6-99	1700	[signature]	4/8/99	10:00

Sample Receipt Notes
- Temperature
- Preserved Properly
- COC Seals Intact
- Method of Shipment

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal____
Accept Returned Sample ____

Submission # 9904-114

OTO REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
P. O. Drawer DD
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-5810

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

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Environmental Bureau
Oil Conservation Division

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Submit Origin
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1 Copy to appropria
District Offi

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Auger Air Drilling + Manufacturing, Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site 2000 S. Dal Paso Hobbs, NM
2. Management Facility Destination Rhino's OCD Landfarm	6. Transporter Rhino Environmental
3. Address of Facility Operator 5 CR 6065, Farmington, NM 87401	8. State NM
7. Location of Material (Street Address or ULSTR)	2000 S. Dal Paso, Hobbs, NM

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to APPROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approve.

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

BRIEF DESCRIPTION OF MATERIAL:

Wash rack soils.

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

SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 3/10/99

TYPE OR PRINT NAME Daniele Berardelli TELEPHONE NO. (505) 598-9626 -9627 fax

(This space for State Use)

APPROVED BY: Donna Williams TITLE: Environmental Engineer DATE: 4-13-99

APPROVED BY: Martyne J. Kieling TITLE: Env. Geologist DATE: 5-24-99

District I - (505) 393-6161
P. O. Box 1940
Hobbs, NM 88241-1980
District II - (505) 748-1283
P. O. Drawer DD
Artesia, NM 88211-0719
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-5810

State of New Mexico

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

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Environmental Bureau
Oil Conservation Division

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SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 3/10/99

TYPE OR PRINT NAME Daniele Berardelli TELEPHONE NO. (505) 598-9626 -9627 fax

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyne J. Kieling TITLE: Env. Geologist DATE: 3-24-99

CERTIFICATE OF WASTE STATUS

1. Generator (Name): 505-393-6141 Address: AUGER AIR DRILLING + MFG INC 2000 S. DAL PASO HOBBS, NM 88240	3. Location (Street Address &/or ULSTR): SAME
2. Originating Site (Name): SAME	4. Destination Name:

5. Source and Description of Waste

I, Timothy A Pietz representative for: AUGER AIR DRILLING + MFG INC. do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

X NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
X RCRA TCLP Analysis
X Chain of Custody
___ Other (Description)

Name (Signature): [signature]

Printed Name: Timothy A Pietz

Title: Driller

Date: 3-8-99

Attach list of originating sites as appropriate.

RHINO ENVIRONMENTAL SERVICES, INC.

GENERATOR'S WASTE PROFILE SHEET

Waste Generator Information

1. Generator's Name: AUGER AIR DRILLING + MFG INC 2. SIC Code: _____
3. Generator's Address: 2000 S DAL PASO Hobbs, NM 88240
4. Site Address: SAME
5. LUST #: _____ 6. USEPA/Federal ID #: _____ 7. State ID #: _____
8. Technical Contact: BILL ERICKSEN 9. Phone: 505-393-6141

Waste Stream Information

1. Type of Contaminant: Gasoline ____ Diesel ____ Waste Oil ____ Other X
2. Process Generating Waste: WASH RACK
3. Projected Volume: 30-40 cyds 4. Soil: X Water: ____ Sludge: ____
5. Special Instructions/Supplemental Information: NONE

Waste Soil/Water Properties

1. Type of Soil: Sand X Gravel X Sandy Loam X Clay ____ Other ____
2. Analytical Data: BTEX: ND ppm, Method 8020
   TPH: ND ppm, Method 418.1
   TCLP: FULL ppm, Method —
   Other: ____ , Method ____

Representative Sample Certification

1. Sampler's Name: ALLEN Hodge 2. Sample Date: 2-10-99
3. Sampler's Title: SR PROJECT MANAGER 4. Sampler's Employer: RHENO
5. Sampler's Signature: [signature]
6. Analytical Data Enclosed (inclusive of quality control data and COC) Yes: X No: ____

Generator Certification

By signing this profile sheet, the generator certifies that :

1. This waste is not a "Hazardous Waste" as defined by USEPA and/or the state/province.
2. This waste does not contain regulated radioactive materials or regulated concentrations of PCBs (Polychlorinated Biphenyl's).
3. This sheet and attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
4. The analytical data presented herein or attached hereto were derived from testing representative samples taken in accordance with 40 CFR 261.20(c) or equivalent rules.
5. If any changes occur in the character of the waste, the Generator shall notify the Contractor prior to providing the waste to the Contractor.

Signature: [signature] Title: SR PROJECT MANAGER

Printed Name: ALLEN Hodge Date: 2-10-99

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

Customer Name: Rhino Env. - Hobbs
Date Received: February 11, 1999 at 10:00:00
Date Reported: February 22, 1999
Submission #: 9902000276
Project: AUGER AIR

SAMPLES The submission consisted of 3 samples with sample I.D.'s shown in the attached data tables.

TESTS The samples listed in the attached result pages were analyzed for:
* BTEX (EPA 8021)
* CHLORIDE (EPA 300.0)
* CORROSIVITY (EPA 9040)
* IGNITABILITY (ASTM D92)
* MERCURY DIGESTION, TCLP (EPA 7470)
* MICROWAVE DIGESTION, TCLP (EPA 3015)
* REACTIVITY (FULL)
* TCLP NON-VOLATILE EXTRACTION (EPA 1311)
* TCLP RCRA MERCURY (EPA 7470)
* TCLP RCRA METALS (EPA 6010)
* TCLP SEMI-VOLATILES (EPA 8270)
* TCLP VOLATILES (EPA 8260)
* TCLP ZHE FOR VOLATILE ORGANICS (EPA 1311)
* TPH (EPA 418.1)

Distribution Of Reports
1-Mr. Allen Hodge of Rhino Env. - Hobbs
Ph. 505-392-4498 Fax 505-392-9376

Respectfully Submitted,
Anachem,Inc.

Howard H. Hayden, B.S.
Chemist

C.E. Newton, Ph.D.
Chemist

Submission #: 9902000276 lims

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned or a $20 disposal fee will be assessed. Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualitites of apparently identical or similar materials.

130031 to 130033

Client Name: Rhino Env. - Hobbs
Submission #: 9902000276
Project Name: AUGER AIR
Report Date: 02/22/99

Client Sample #: COMP. TANK BOTTOM @ 8'
Laboratory ID #: 130031 *Order Type: Normal Matrix: Soil*
Sample Container: *4oz EPA Approved Glass Jar\White lid*
Sampling Location: *HOBBS YARD, HOBBS, NM*
Sampling Date : *02/08/99*

BTEX (EPA 8021)

Analyte	Results(mg/kg)	Detection Limit
Benzene	<0.40	0.40
Toluene	<0.50	0.50
Ethyl Benzene	<0.50	0.50
Xylenes	<0.50	0.50

CHLORIDE (EPA 300.0)

Analyte	Results(mg/l)	Detection Limit
Chloride	**35.7**	0.1

TPH (EPA 418.1)
TPH Prep Date: 02/15/99

Analyte	Results(mg/kg)	Detection Limit
Total Petroleum Hydrocarbons	<10	10

Client Sample #: COMP. LEACH PIT BOTTOM @ 12'
Laboratory ID #: 130032 *Order Type: Normal Matrix: Soil*
Sample Container: *4oz EPA Approved Glass Jar\White lid*
Sampling Location: *HOBBS YARD, HOBBS, NM*
Sampling Date : *02/08/99*

BTEX (EPA 8021)

Analyte	Results(mg/kg)	Detection Limit
Benzene	<0.40	0.40
Toluene	<0.50	0.50
Ethyl Benzene	<0.50	0.50
Xylenes	<0.50	0.50

CHLORIDE (EPA 300.0)

Analyte	Results(mg/l)	Detection Limit
Chloride	**31.7**	0.1

TPH (EPA 418.1)
TPH Prep Date: 02/15/99

Analyte	Results(mg/kg)	Detection Limit
Total Petroleum Hydrocarbons	<10	10

Client Sample #: COMP. OF STOCKPILED SPOILS
Laboratory ID #: 130033 *Order Type: Normal Matrix: Soil*
Sample Container: *4oz EPA Approved Glass Jar\Black lid*
Sampling Location: *HOBBS YARD, HOBBS, NM*
Sampling Date : *02/08/99*

CORROSIVITY (EPA 9040)

Analyte	Results	Detection Limit
Corrosivity	**7.4**	

IGNITABILITY (ASTM D92)
Ignitability: DOES NOT IGNITE AT ROOM TEMPERATURE; NOT HAZARDOUS

FLASH POINT = >155 F

Client Name: Rhino Env. - Hobbs
Submission #: 9902000276
Project Name: AUGER AIR
Report Date: 02/22/99

MERCURY DIGESTION, TCLP (EPA 7470)
Mercury Digestion Date: 02/16/99

MICROWAVE DIGESTION, TCLP (EPA 3015)
Microwave Digestion Date: 02/16/99

REACTIVITY (FULL)
Reactive Cyanide (EPA 9010): <0.2 mg/kg
Reactive Sulfide (EPA 9030): <0.3 mg/kg
Reactivity To Air: Negative
Reactivity To Diluted HCl: Foaming
Reactivity To Diluted NaOH: Negative
Reactivity To Water: Negative

TCLP NON-VOLATILE EXTRACTION (EPA 1311)
TCLP Extraction Date: 02/16/99

TCLP RCRA MERCURY (EPA 7470)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
7439-97-6	TCLP Mercury	<0.0004	0.0004	0.2

TCLP RCRA METALS (EPA 6010)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
7440-38-2	Arsenic	<0.025	0.025	5
7440-39-3	Barium	**0.549**	0.003	100
7440-43-9	Cadmium	<0.003	0.003	1
7440-47-3	Chromium	<0.003	0.003	5
7439-92-1	Lead	<0.037	0.037	5
7482-49-2	Selenium	<0.037	0.037	1
7440-39-2	Silver	<0.025	0.025	5

TCLP SEMI-VOLATILES (EPA 8270)
Prep Date:: 02/19/99

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
no C.A.S.	Cresol (Total)	<1.0	1.0	200.0
121-14-2	2,4-Dinitrotoluene	<0.10	0.10	0.13
118-74-1	Hexachlorobenzene	<0.10	0.10	0.13
87-68-3	Hexachlorobutadiene	<0.20	0.20	0.5
67-72-1	Hexachloroethane	<0.10	0.10	3.0
98-95-3	Nitrobenzene	<0.50	0.50	2.0
87-86-5	Pentachlorophenol	<0.20	0.20	100.0
110-86-1	Pyridine	<0.50	0.50	5.0
95-95-4	2,4,5-Trichlorophenol	<0.50	0.50	400.0
88-06-2	2,4,6-Trichlorophenol	<0.50	0.50	2.0

TCLP VOLATILES (EPA 8260)
Date analyzed: 02/19/99

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
71-43-2	Benzene	<0.10	0.10	0.5
56-23-5	Carbon Tetrachloride	<0.10	0.10	0.5
108-90-7	Chlorobenzene	<0.10	0.10	100
67-66-3	Chloroform	<0.10	0.10	6.0
106-46-7	1,4-Dichlorobenzene	<0.10	0.10	7.5
107-06-2	1,2-Dichloroethane	<0.10	0.10	0.5
75-35-4	1,1-Dichloroethylene	<0.10	0.10	0.7
78-93-3	Methyl Ethyl Ketone	<0.10	0.10	200.0

Client Name: Rhino Env. - Hobbs
Submission #: 9902000276
Project Name: AUGER AIR
Report Date: 02/22/99

TCLP VOLATILES (EPA 8260)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
127-18-4	Tetrachloroethylene	<0.10	0.10	0.7
79-01-6	Trichloroethylene	<0.10	0.10	0.5
75-01-4	Vinyl Chloride	<0.10	0.10	0.2

TCLP ZHE FOR VOLATILE ORGANICS (EPA 1311)
TCLP ZHE Extraction Date: 02/18/99

Report To: Rhino Env. Service, Inc.
Lab Number: 9902000276
Page 5 of 6

Project: Auger Air

QUALITY CONTROL DATA

ANALYTE	DATE ANALYZED	SPIKE (ppm)	STAND. DEV.	COEFF. OF VAR %	REC1/%	REC2/%
Chloride	2/18/99	----	1.66	3.8	95.6	----
Reactive Cyanide	2/19/99	----	0.03	2.8	102.	98
Reactive Sulfide	2/19/99	----	14.1	1.6	91.8	89.8
Mercury	2/18/99	----	0.0011	10.1	91	106
Silver	2/17/99	4.0	0.071	1.3	112.7	110.7
Arsenic	2/17/99	4.0	0.106	2.1	101.3	104.3
Chromium	2/17/99	4.0	0.064	1.3	97.4	95.6
Lead	2/17/99	4.0	0.042	0.8	104.7	103.5
Selenium	2/17/99	4.0	0.410	8.1	98.3	109.9
Barium	2/17/99	4.0	0.057	1.1	98.8	97.2
Cadmium	2/17/99	4.0	0.021	1.3	101.0	99.2

Standard Deviation = (x1-x2)/1.414
Coefficient of Variability % = (S.D./Avg.) X 100
Recovery % = [(spiked-unspiked)/expected] X 100

QUALITY CONTROL DATA

TPH results are reported in parts per million (ppm) in solid.

	Value 1	Value 2	% Var.
TPH:	132	130	1.5

CONCENTRATION UNITS: TPH - ppm

DETECTION LIMITS: TPH - 10

ANALYST	ANALYTE	DATE EXTRACTED	DATE ANALYZED
Anthony Taylor	TPH	2/15/99	2/15/99

Report To: Rhino Env. Service, Inc.
Lab Number: 9902000276
Page 6 of 6

Project: Auger Air

QUALITY CONTROL DATA

METHOD	ANALYST	MATRIX	DATE EXTRACTED	DATE ANALYZED
BTEX 8021	Howard Hayden	Solid	2/12/99	2/12/99

SPIKE COMPOUND	SPIKE AMOUNT	% REC 1	% REC 2	% REC QC LIMIT	% VAR.	% VAR QC LIMIT
Benzene	100 ppb	88.0	87.0	80-120	1.1	20.0
Toluene	100 ppb	113	111	80-120	1.7	20.0
Ethyl Benzene	100 ppb	114	115	80-120	0.86	20.0
Xylenes	300 ppb	115	116	80-120	0.86	20.0

TCLP VOLATILE ORGANICS QUALITY CONTROL DATA

METHOD	ANALYST	MATRIX	DATE EXTRACTED	DATE ANALYZED
8260	Mike Carlo	Liquid	-----	2/19/99

SPIKE COMPOUND	SPIKE AMOUNT	% REC 1	% REC 2	% REC QC LIMIT	% VAR.	% VAR QC LIMIT
1,1-Dichloroethene	20 ppb	133	133	20-234	0.26	25.0
Trichloroethene	20 ppb	105	102	71-157	2.7	25.0
Benzene	20 ppb	112	111	37-151	1.5	25.0
Toluene	20 ppb	105	104	47-150	0.81	25.0
Chlorobenzene	20 ppb	103	99.2	37-160	4.1	25.0

TCLP SEMI-VOLATILES QUALITY CONTROL DATA

METHOD	ANALYST	MATRIX	DATE EXTRACTED	DATE ANALYZED
8270	Howard Hayden	Liquid	2/19/99	2/19/99

SPIKE COMPOUND	SPIKE AMOUNT	% REC 1	% REC 2	% REC QC LIMIT	% VAR.	% VAR QC LIMIT
Phenol	200 ppb	109	95.1	10-120	13	42.0
2-Chlorophenol	200 ppb	101	95.9	23-134	5.0	40.0
Acenaphthene	100 ppb	83.0	79.3	47-145	4.5	31.0
Pyrene	100 ppb	85.9	82.4	52-125	4.1	31.0

Purchase Order/Chain Of Custody

Page___of ___.

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: ALLEN Hodge
Company: RHINO ENV. SERV., INC
Address: 4007 LOVINGTON HWY
City, State, Zip: Hobbs, NM 88240
Phone: 505-392-4498 Fax: 505-392-9376

Bill To: (Buyer) RHINO ENV. SERV, INC
Purchase Order #:
Address: P.O. BOX 25547
City, State, Zip: ALBQ., NM 87125
Phone: 800-762-0241 Fax: 505-797-4874

Project Name: AUGER AIR
Quote #:
Project Location: Hobbs YARD
City, State: Hobbs NM
Date Due: ASAP
Rush: 0% 25% 50% 100%
Sampled By: Allen Hodge

Analysis: Pestiferb

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	TPH 418.1	BTEX	FULL TCLP + No	RCI	CL			
130031	1. Comp. TANK BOTTOM @ 8'	SOIL	2-8-99/10:00		X	X			X			
130032	2. Comp LEACH PIT BOTTOM @ 12'	SOIL	2-8-99/11:00		X	X			X			
130033	3. Comp OF STOCKPILED SPOILS	SOIL	2-8-99/12:00				X	X				
	4.											
	5.											
	6.											
	7.											
	8.											
	9.											
	10.											

Relinquished By	Date	Time	Received By	Date	Time	Sample Receipt Notes
[signature]	2/10/99	3:00 pm	[signature]	2/11/99	10:00	Temperature
						Preserved Properly
						COC Seals Intact
						Method of Shipment

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal____
Accept Returned Sample ____

Submission # 9902-276

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

RECEIVED
JAN 23 1999
Environmental Bureau
Oil Conservation Division

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☒	4. Generator Halliburton Energy Services 5. Originating Site 2311 S. 1st St. Artesia, NM
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino
3. Address of Facility Operator 5 CR 6065, Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	2311 S. 1st St., Artesia, NM

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Sludge & Soil from the waste neutralization tank associated with The acid terminal.

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

SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 1-22-99
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. 505) 598-9626
fax - 9627

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 1-28-99

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: Halliburton Energy Services, Inc. Artesia, New Mexico	3. Location (Street Address &/or ULSTR): 2311 South First Street Artesia, New Mexico
2. Originating Site (Name): Halliburton Energy Services Artesia, New Mexico	4. Destination Name: Rhino Environmental Services 4007 Lovington Highway Hobbs, New Mexico 88240

5. Source and Description of Waste
Sludge and soil from waste neutralization tank associated with the acid terminal.

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

NA EXEMPT oilfield waste NA NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

Industrial Waste

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
X RCRA TCLP Analysis
___ Chain of Custody
___ Other (Description)

Name (Signature): [signature]

Printed Name: James McGinty

Title: Project Manager

Date: 11/30/98

Attach list of originating sites as appropriate.

STAR ANALYTICAL
CHAIN-OF-CUSTODY FORM

14500 Trinity Boulevard, Suite 106
Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6982 • FAX (817) 267-5431

Company Name: Delta Environmental Cons.	Project Name: Artesia
Address: 2340 Trinity Mills Rd. Suite 230	Billing Address (if different):
City: Carrollton State: Tx Zip Code: 75007	
Telephone: 972/418-5311 FAX#: 972/418-5243	P.O.#: F048-130
Report To: Destini Baldonado Sampler: DB	

Turnaround Time: ☐ 10 Working Days ☐ 4 Working Days ☐ 24 Hours ☐ 7 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 5 Working Days ☐ 2 Working Days

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Star's Sample #	TPH 418.1	VOC	SVOC	Full TCLP						Comments
1. So. Tank-SW	9/24/98 11:55	soil	1	glass	8C9039 -01	X									
2. So. Tank-SW	12:00				8C9039 -02	X									
3. So. Tank-NW	12:05				8C9039 -03	X									
4. So. Tank-NW	9/24/98 12:10	soil	1	glass	8C9039 -04	X									
5. N[illegible]	15:30				8C9039 -05	X									
6. [illegible]	15:35				8C9039 -06	X									
7. [illegible]	15:40				8C9039 -07	X									
8. [illegible]	15:45	soil	1	glass	8C9039 -08	X									
9. G.W. Composite	9/24/98 15:55	water		glass	8C9039 -09										no bottles found
10. Stockpile	9/24/98 17:00	soil	1	glass	8C9039 -10				X						

Highest TPH gets VOC 8260 and SVOC 8270

Highest TPH gets VOC 8260 & SVOC 8270

Relinquished By: [signature]	Date: 9/24/98	Time: 7:40 pm	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [signature]	Date: 9/25/98	Time: 1030

Samples Received in Good Condition? ☑ Yes ☐ No
Samples Pre-Preserved? ☑ Yes ☐ No ☐ N/A
Samples Cold? ☑ Yes ☐ No
Custody Seal Intact? ☑ Yes ☐ No ☐ N/A
Method of Shipment: Fed-ex
Page 1 of 1

STAR ANALYTICAL
CHAIN-OF-CUSTODY FORM

14500 Trinity Boulevard, Suite 106
Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6982 • FAX (817) 267-5431

Company Name: Delta Environmental	Project Name: F098-130 - Artesia
Address: 2340 Trinity Mills Rd. Suite 230	Billing Address (if different):
City: Carrollton State: Tx Zip Code: 75007	
Telephone: 972/418-5311 FAX#: 972/418-5243	P.O.#: F098-130
Report To: Destini Baldonado Sampler: DB	

Turnaround Time: ☐ 10 Working Days ☒ 4 Working Days ☐ 24 Hours ☐ 7 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 5 Working Days ☐ 2 Working Days

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Star's Sample #	TPH-DRO	pH	RCRA-Metals	VOC	TPH-418	TDS				Comments
1. Sump	9/23/98 9:30	soil	2	glass	9809391-11	X	X	X							
2. Cont.-Pit	9:45				9809391-12	X	X	X							
3. Cont.-1	10:00				9809391-13	X	X	X							
4. Cont.-2	10:20				9809391-14	X	X	X	Highest TPH gets						
5. Cont.-3	10:40				9809391-15	X	X	X		VOC					
6. Cont.-4	11:00				9809391-16	X	X	X							
7. Cont.-5	9/23/98 11:20	soil	2	glass	9809391-17	X	X	X							
8. Tank	9/24/98 9:45	water	2	glass/plastic	9809391-18			X		X					
9. Pit water	9/24/98 16:00	water	1	glass	9809391-19	X		X	X		X				Please filter for RCRA metals
10.															

Relinquished By: D Baldonado	Date: 9/24/98	Time: 9:40pm	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: [illegible]	Date: 9/24/98	Time: 10:30

Samples Received in Good Condition? ☒ Yes ☐ No Samples Cold? ☒ Yes ☐ No Method of Shipment Fed-Ex Page 2 of 2

Samples Pre-Preserved? ☒ Yes ☐ No ☐ N/A Custody Seal Intact? ☒ Yes ☐ No ☐ N/A

Pink - Client Yellow - Star White - Star

STAR ANALYTICAL

14500 Trinity Boulevard, Suite 106 • Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6982 • FAX (817) 267-5431

Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Conventional Chemistry Parameters by APHA/EPA Methods
Star Analytical, Inc.

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
So. Tank - SW			**8090291-01**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	5.0	55	mg/kg	
So. Tank - EW			**8090291-02**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	5.0	510	mg/kg	
So. Tank - NW			**8090291-03**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	5.0	ND	mg/kg	
So. Tank - WW			**8090291-04**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	5.0	1400	mg/kg	
No. Tank - SW			**8090291-05**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	5.0	95	mg/kg	
No. Tank - EW			**8090291-06**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	50	1800	mg/kg	D
No. Tank - NW			**8090291-07**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	50	2600	mg/kg	D
No. Tank - WW			**8090291-08**				**Soil**	
Petroleum Oil Hydrocarbons	09V8446	9/30/98	9/30/98	EPA 418.1	5.0	190	mg/kg	
Stockpile			**8090291-10**				**Soil**	
pH	09V8389	9/28/98	9/28/98	EPA 9045B		6.12	pH units	
Reactivity	09V8382	"	"	N/A		ND	N/A	
Sump			**8090291-11**				**Soil**	
pH	09V8389	9/28/98	9/28/98	EPA 9045B		2.15	pH units	
Cont.-Pit			**8090291-12**				**Soil**	
pH	09V8389	9/28/98	9/28/98	EPA 9045B		6.79	pH units	
Cont.- 1			**8090291-13**				**Soil**	
pH	09V8389	9/28/98	9/28/98	EPA 9045B		7.68	pH units	
Cont.- 2			**8090291-14**				**Soil**	
pH	09V8389	9/28/98	9/28/98	EPA 9045B		7.67	pH units	
Cont.- 3			**8090291-15**				**Soil**	
pH	09V8389	9/28/98	9/28/98	EPA 9045B		7.47	pH units	

Star Analytical, Inc.

**Refer to end of report for text of notes and definitions.*

Lari Hall, Project Manager

STAR ANALYTICAL

14500 Trinity Boulevard, Suite 106 • Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6962 • FAX (817) 267-5431

Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Physical Parameters by APHA/ASTM/EPA Methods
Star Analytical, Inc.

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
Stockpile			**8090291-10**				**Soil**	
Flashpoint	09V8451	9/30/98	9/30/98	EPA 1010	70.0	ND	°C	
Reactive Cyanide	09V8425	9/29/98	9/29/98	EPA 9010B	250	ND	mg/kg	
Reactive Sulfide	09V8455	9/30/98	9/30/98	EPA 9030B	1.0	ND	"	

Star Analytical, Inc.

Refer to end of report for text of notes and definitions.

L Hall

Lari Hall, Project Manager

STAR ANALYTICAL

14500 Trinity Boulevard, Suite 106 • Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6982 • FAX (817) 267-5431

Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

TCLP Volatile Organic Compounds by EPA Method 1311/8260
Star Analytical, Inc.

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Stockpile			**8090291-10**				**Soil**	
Benzene	10V8021	10/1/98	10/1/98		0.100	ND	mg/l	D
2-Butanone	"	"	"		0.500	ND	"	D
Carbon tetrachloride	"	"	"		0.100	ND	"	D
Chlorobenzene	"	"	"		0.100	ND	"	D
Chloroform	"	"	"		0.100	ND	"	D
1,2-Dichloroethane	"	"	"		0.100	ND	"	D
1,1-Dichloroethene	"	"	"		0.100	ND	"	D
Tetrachloroethene	"	"	"		0.100	ND	"	D
Trichloroethene	"	"	"		0.100	ND	"	D
Vinyl chloride	"	"	"		0.100	ND	"	D
Surrogate: DBFM	"	"	"	*86.0-118*		*102*	*%*	*D*
Surrogate: Toluene-d8	"	"	"	*88.0-110*		*101*	"	*D*
Surrogate: 4-BFB	"	"	"	*86.0-115*		*98.0*	"	*D*

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

TCLP Semivolatiles by EPA Method 1311/8270
Star Analytical, Inc.

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
Stockpile			**8090291-10**				**Soil**	
o-Cresol	10V8040	10/1/98	10/2/98		0.00800	ND	mg/l	
m,p-Cresols	"	"	"		0.00800	ND	"	
1,4-Dichlorobenzene	"	"	"		0.00800	ND	"	
2,4-Dinitrotoluene	"	"	"		0.00800	ND	"	
Hexachlorobenzene	"	"	"		0.00800	ND	"	
Hexachlorobutadiene	"	"	"		0.00800	ND	"	
Hexachloroethane	"	"	"		0.00800	ND	"	
Nitrobenzene	"	"	"		0.00800	ND	"	
Pentachlorophenol	"	"	"		0.0400	ND	"	
Pyridine	"	"	"		0.0400	ND	"	
2,4,5-Trichlorophenol	"	"	"		0.0400	ND	"	
2,4,6-Trichlorophenol	"	"	"		0.00800	ND	"	
Surrogate: 2-FP	"	"	"	*43.0-116*		*51.6*	*%*	
Surrogate: Phenol-d6	"	"	"	*10.0-94.0*		*45.0*	"	
Surrogate: 2,4,6-TBP	"	"	"	*10.0-123*		*69.0*	"	
Surrogate: Nitrobenzene-d5	"	"	"	*35.0-114*		*56.5*	"	
Surrogate: 2-FBP	"	"	"	*43.0-116*		*62.4*	"	
Surrogate: p-Terphenyl-d14	"	"	"	*33.0-141*		*112*	"	

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

TCLP Metals by EPA 1311/6000/7000 Series Methods
Star Analytical, Inc.

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
Stockpile			**8090291-10**				**Soil**	
Arsenic	10V8096	10/2/98	10/7/98	EPA 6010B	0.200	ND	mg/l	
Barium	"	"	"	EPA 6010B	0.230	0.450	"	
Cadmium	"	"	"	EPA 6010B	0.0300	ND	"	
Chromium	"	"	"	EPA 6010B	0.0300	ND	"	
Lead	"	"	"	EPA 6010B	0.100	ND	"	
Selenium	"	"	"	EPA 6010B	0.200	ND	"	
Silver	"	"	"	EPA 6010B	0.0300	ND	"	
Mercury	10V8103	10/5/98	10/6/98	EPA 7470A	0.000200	ND	"	

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Diesel Hydrocarbons (C12-C24) by EPA Method 8015 (modified)/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 09V8439	**Date Prepared: 9/28/98**					**Extraction Method: EPA 3510/600 Series**				
Blank	**09V8439-BLK1**									
Diesel Range Hydrocarbons	9/28/98			ND	mg/l	0.20				
Surrogate: o-Terphenyl	"	*0.10*		*0.070*	"	*49-170*	*70*			
LCS	**09V8439-BS1**									
Diesel Range Hydrocarbons	9/28/98	1.0		0.73	mg/l	60-120	73			
Surrogate: o-Terphenyl	"	*0.10*		*0.11*	"	*49-170*	*110*			
LCS Dup	**09V8439-BSD1**									
Diesel Range Hydrocarbons	9/28/98	1.0		1.1	mg/l	60-120	110	30	40	
Surrogate: o-Terphenyl	"	*0.10*		*0.11*	"	*49-170*	*110*			
Matrix Spike	**09V8439-MS1**		**8090259-03**							
Diesel Range Hydrocarbons	9/28/98	2.0	ND	1.2	mg/l	60-120	60			
Surrogate: o-Terphenyl	"	*0.20*		*0.17*	"	*49-170*	*85*			
Matrix Spike Dup	**09V8439-MSD1**		**8090259-03**							
Diesel Range Hydrocarbons	9/28/98	2.0	ND	1.4	mg/l	60-120	70	30	15	
Surrogate: o-Terphenyl	"	*0.20*		*0.18*	"	*49-170*	*90*			
Batch: 09V8445	**Date Prepared: 9/28/98**					**Extraction Method: EPA 3550**				
Blank	**09V8445-BLK1**									
Diesel Range Hydrocarbons	9/29/98			ND	mg/kg	1.0				
Surrogate: o-Terphenyl	"	*1.7*		*1.7*	"	*49-170*	*100*			
LCS	**09V8445-BS1**									
Diesel Range Hydrocarbons	9/29/98	17		11	mg/kg	60-120	65			
Surrogate: o-Terphenyl	"	*1.7*		*1.4*	"	*49-170*	*82*			
LCS Dup	**09V8445-BSD1**									
Diesel Range Hydrocarbons	9/29/98	17		11	mg/kg	60-120	65	30	0	
Surrogate: o-Terphenyl	"	*1.7*		*1.5*	"	*49-170*	*88*			
Matrix Spike	**09V8445-MS1**		**8090291-16**							
Diesel Range Hydrocarbons	9/29/98	17	5.4	15	mg/kg	60-120	56			
Surrogate: o-Terphenyl	"	*1.7*		*1.7*	"	*49-170*	*100*			
Matrix Spike Dup	**09V8445-MSD1**		**8090291-16**							
Diesel Range Hydrocarbons	9/29/98	17	5.4	18	mg/kg	60-120	74	30	28	
Surrogate: o-Terphenyl	"	*1.7*		*1.7*	"	*49-170*	*100*			

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Volatile Organic Compounds by EPA Method 8260/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 09V8447	**Date Prepared: 9/30/98**				**Extraction Method: EPA 5030**					
Blank	**09V8447-BLK1**									
Acetone	9/30/98			ND	ug/l	10				
Benzene	"			ND	"	2.0				
Bromobenzene	"			ND	"	2.0				
Bromochloromethane	"			ND	"	2.0				
Bromodichloromethane	"			ND	"	2.0				
Bromoform	"			ND	"	2.0				
Bromomethane	"			ND	"	2.0				
2-Butanone	"			ND	"	10				
n-Butylbenzene	"			ND	"	2.0				
sec-Butylbenzene	"			ND	"	2.0				
tert-Butylbenzene	"			ND	"	2.0				
Carbon disulfide	"			ND	"	2.0				
Carbon tetrachloride	"			ND	"	2.0				
Chlorobenzene	"			ND	"	2.0				
Chloroethane	"			ND	"	2.0				
Chloroform	"			ND	"	2.0				
Chloromethane	"			ND	"	2.0				
2-Chlorotoluene	"			ND	"	2.0				
4-Chlorotoluene	"			ND	"	2.0				
Dibromochloromethane	"			ND	"	2.0				
1,2-Dibromo-3-chloropropane	"			ND	"	2.0				
1,2-Dibromoethane	"			ND	"	2.0				
Dibromomethane	"			ND	"	2.0				
1,2-Dichlorobenzene	"			ND	"	2.0				
1,3-Dichlorobenzene	"			ND	"	2.0				
1,4-Dichlorobenzene	"			ND	"	2.0				
Dichlorodifluoromethane	"			ND	"	2.0				
1,1-Dichloroethane	"			ND	"	2.0				
1,2-Dichloroethane	"			ND	"	2.0				
1,1-Dichloroethene	"			ND	"	2.0				
cis-1,2-Dichloroethene	"			ND	"	2.0				
trans-1,2-Dichloroethene	"			ND	"	2.0				
1,2-Dichloropropane	"			ND	"	2.0				
1,3-Dichloropropane	"			ND	"	2.0				
2,2-Dichloropropane	"			ND	"	2.0				
1,1-Dichloropropene	"			ND	"	2.0				
cis-1,3-Dichloropropene	"			ND	"	2.0				
trans-1,3-Dichloropropene	"			ND	"	2.0				
Ethylbenzene	"			ND	"	2.0				
Hexachlorobutadiene	"			ND	"	2.0				

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
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Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Volatile Organic Compounds by EPA Method 8260/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**09V8447-BLK1**									
2-Hexanone	9/30/98			ND	ug/l	10				
Isopropylbenzene	"			ND	"	2.0				
p-Isopropyltoluene	"			ND	"	2.0				
Methylene chloride	"			ND	"	10				
Methyl tert-butyl ether	"			ND	"	2.0				
4-Methyl-2-pentanone	"			ND	"	10				
Naphthalene	"			ND	"	2.0				
n-Propylbenzene	"			ND	"	2.0				
Styrene	"			ND	"	2.0				
1,1,1,2-Tetrachloroethane	"			ND	"	2.0				
1,1,2,2-Tetrachloroethane	"			ND	"	2.0				
Tetrachloroethene	"			ND	"	2.0				
Toluene	"			ND	"	2.0				
1,2,3-Trichlorobenzene	"			ND	"	2.0				
1,2,4-Trichlorobenzene	"			ND	"	2.0				
1,1,1-Trichloroethane	"			ND	"	2.0				
1,1,2-Trichloroethane	"			ND	"	2.0				
Trichloroethene	"			ND	"	2.0				
Trichlorofluoromethane	"			ND	"	2.0				
1,2,3-Trichloropropane	"			ND	"	2.0				
1,2,4-Trimethylbenzene	"			ND	"	2.0				
1,3,5-Trimethylbenzene	"			ND	"	2.0				
Vinyl acetate	"			ND	"	2.0				
Vinyl chloride	"			ND	"	2.0				
m,p-Xylene	"			ND	"	2.0				
o-Xylene	"			ND	"	2.0				
Surrogate: DBFM	"	*50*		*50*	"	*86-120*	*100*			
Surrogate: Toluene-d8	"	*50*		*50*	"	*88-110*	*100*			
Surrogate: 4-BFB	"	*50*		*50*	"	*86-120*	*100*			
LCS	**09V8447-BS1**									
Benzene	9/30/98	50		54	ug/l	76-130	110			
Chlorobenzene	"	50		59	"	75-130	120			
1,1-Dichloroethene	"	50		46	"	58-150	92			
Toluene	"	50		57	"	76-130	110			
Trichloroethene	"	50		56	"	71-140	110			
Surrogate: DBFM	"	*50*		*50*	"	*86-120*	*100*			
Surrogate: Toluene-d8	"	*50*		*50*	"	*88-110*	*100*			
Surrogate: 4-BFB	"	*50*		*49*	"	*86-120*	*98*			

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Delta Environmental	Project:	Artesia	Sampled: 9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received: 9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported: 10/14/98 09:57

Volatile Organic Compounds by EPA Method 8260/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup	**09V8447-BSD1**									
Benzene	9/30/98	50		54	ug/l	76-130	110	21	0	
Chlorobenzene	"	50		60	"	75-130	120	21	0	
1,1-Dichloroethene	"	50		44	"	58-150	88	22	4.4	
Toluene	"	50		58	"	76-130	120	21	8.7	
Trichloroethene	"	50		56	"	71-140	110	24	0	
Surrogate: DBFM	"	*50*		*51*	"	*86-120*	*100*			
Surrogate: Toluene-d8	"	*50*		*50*	"	*88-110*	*100*			
Surrogate: 4-BFB	"	*50*		*49*	"	*86-120*	*98*			
Batch: 10V8023	**Date Prepared: 10/1/98**				**Extraction Method: EPA 5030**					
Blank	**10V8023-BLK1**									
Acetone	10/1/98			ND	ug/kg	25				
Benzene	"			ND	"	2.0				
Bromobenzene	"			ND	"	2.0				
Bromochloromethane	"			ND	"	2.0				
Bromodichloromethane	"			ND	"	2.0				
Bromoform	"			ND	"	2.0				
Bromomethane	"			ND	"	2.0				
2-Butanone	"			ND	"	10				
n-Butylbenzene	"			ND	"	2.0				
sec-Butylbenzene	"			ND	"	2.0				
tert-Butylbenzene	"			ND	"	2.0				
Carbon disulfide	"			ND	"	2.0				
Carbon tetrachloride	"			ND	"	2.0				
Chlorobenzene	"			ND	"	2.0				
Chloroethane	"			ND	"	2.0				
Chloroform	"			ND	"	2.0				
Chloromethane	"			ND	"	2.0				
2-Chlorotoluene	"			ND	"	2.0				
4-Chlorotoluene	"			ND	"	2.0				
Dibromochloromethane	"			ND	"	2.0				
1,2-Dibromo-3-chloropropane	"			ND	"	2.0				
1,2-Dibromoethane	"			ND	"	2.0				
Dibromomethane	"			ND	"	2.0				
1,2-Dichlorobenzene	"			ND	"	2.0				
1,3-Dichlorobenzene	"			ND	"	2.0				
1,4-Dichlorobenzene	"			ND	"	2.0				
Dichlorodifluoromethane	"			ND	"	2.0				
1,1-Dichloroethane	"			ND	"	2.0				
1,2-Dichloroethane	"			ND	"	2.0				
1,1-Dichloroethene	"			ND	"	2.0				

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Volatile Organic Compounds by EPA Method 8260/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**10V8023-BLK1**									
cis-1,2-Dichloroethene	10/1/98			ND	ug/kg	2.0				
trans-1,2-Dichloroethene	"			ND	"	2.0				
1,2-Dichloropropane	"			ND	"	2.0				
1,3-Dichloropropane	"			ND	"	2.0				
2,2-Dichloropropane	"			ND	"	2.0				
1,1-Dichloropropene	"			ND	"	2.0				
cis-1,3-Dichloropropene	"			ND	"	2.0				
trans-1,3-Dichloropropene	"			ND	"	2.0				
Ethylbenzene	"			ND	"	2.0				
Hexachlorobutadiene	"			ND	"	2.0				
2-Hexanone	"			ND	"	10				
Isopropylbenzene	"			ND	"	2.0				
p-Isopropyltoluene	"			ND	"	2.0				
Methylene chloride	"			ND	"	50				
Methyl tert-butyl ether	"			ND	"	2.0				
4-Methyl-2-pentanone	"			ND	"	10				
Naphthalene	"			ND	"	2.0				
n-Propylbenzene	"			ND	"	2.0				
Styrene	"			ND	"	2.0				
1,1,1,2-Tetrachloroethane	"			ND	"	2.0				
1,1,2,2-Tetrachloroethane	"			ND	"	2.0				
Tetrachloroethene	"			ND	"	2.0				
Toluene	"			ND	"	2.0				
1,2,3-Trichlorobenzene	"			ND	"	2.0				
1,2,4-Trichlorobenzene	"			ND	"	2.0				
1,1,1-Trichloroethane	"			ND	"	2.0				
1,1,2-Trichloroethane	"			ND	"	2.0				
Trichloroethene	"			ND	"	2.0				
Trichlorofluoromethane	"			ND	"	2.0				
1,2,3-Trichloropropane	"			ND	"	2.0				
1,2,4-Trimethylbenzene	"			ND	"	2.0				
1,3,5-Trimethylbenzene	"			ND	"	2.0				
Vinyl acetate	"			ND	"	2.0				
Vinyl chloride	"			ND	"	2.0				
m,p-Xylene	"			ND	"	2.0				
o-Xylene	"			ND	"	2.0				
Surrogate: DBFM	"	*50*		*51*	"	*80-120*	*100*			
Surrogate: Toluene-d8	"	*50*		*51*	"	*81-120*	*100*			
Surrogate: 4-BFB	"	*50*		*49*	"	*74-120*	*98*			

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Volatile Organic Compounds by EPA Method 8260/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS	**10V8023-BS1**									
Benzene	10/1/98	50		54	ug/kg	66-140	110			
Chlorobenzene	"	50		60	"	60-130	120			
1,1-Dichloroethene	"	50		41	"	59-170	82			
Toluene	"	50		58	"	59-130	120			
Trichloroethene	"	50		55	"	62-140	110			
Surrogate: DBFM	"	*50*		*51*	"	*80-120*	*100*			
Surrogate: Toluene-d8	"	*50*		*50*	"	*81-120*	*100*			
Surrogate: 4-BFB	"	*50*		*51*	"	*74-120*	*100*			
LCS Dup	**10V8023-BSD1**									
Benzene	10/1/98	50		53	ug/kg	66-140	110	21	0	
Chlorobenzene	"	50		60	"	60-130	120	21	0	
1,1-Dichloroethene	"	50		41	"	59-170	82	22	0	
Toluene	"	50		58	"	59-130	120	21	0	
Trichloroethene	"	50		56	"	62-140	110	24	0	
Surrogate: DBFM	"	*50*		*51*	"	*80-120*	*100*			
Surrogate: Toluene-d8	"	*50*		*50*	"	*81-120*	*100*			
Surrogate: 4-BFB	"	*50*		*50*	"	*74-120*	*100*			

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Semivolatile Organic Compounds by EPA Method 8270C/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 10V8024	**Date Prepared: 10/1/98**				**Extraction Method: EPA 3550**					
Blank	**10V8024-BLK1**									
Acenaphthene	10/1/98			ND	ug/kg	33				
Acenaphthylene	"			ND	"	33				
Aniline	"			ND	"	33				
Anthracene	"			ND	"	33				
Benzoic Acid	"			ND	"	170				
Benzo (a) anthracene	"			ND	"	33				
Benzo (b) fluoranthene	"			ND	"	33				
Benzo (k) fluoranthene	"			ND	"	33				
Benzo (ghi) perylene	"			ND	"	33				
Benzo (a) pyrene	"			ND	"	33				
Benzyl alcohol	"			ND	"	33				
Bis(2-chloroethoxy)methane	"			ND	"	33				
Bis(2-chloroethyl)ether	"			ND	"	33				
Bis(2-chloroisopropyl)ether	"			ND	"	33				
Bis(2-ethylhexyl)phthalate	"			ND	"	170				
4-Bromophenyl phenyl ether	"			ND	"	33				
Butyl benzyl phthalate	"			ND	"	33				
Carbazole	"			ND	"	33				
4-Chloroaniline	"			ND	"	33				
2-Chloronaphthalene	"			ND	"	33				
4-Chloro-3-methylphenol	"			ND	"	33				
2-Chlorophenol	"			ND	"	33				
4-Chlorophenyl phenyl ether	"			ND	"	33				
Chrysene	"			ND	"	33				
Dibenz (a,h) anthracene	"			ND	"	33				
Dibenzofuran	"			ND	"	33				
Di-n-butyl phthalate	"			ND	"	170				
1,3-Dichlorobenzene	"			ND	"	33				
1,4-Dichlorobenzene	"			ND	"	33				
1,2-Dichlorobenzene	"			ND	"	33				
3,3'-Dichlorobenzidine	"			ND	"	170				
2,4-Dichlorophenol	"			ND	"	33				
Diethyl phthalate	"			ND	"	33				
2,4-Dimethylphenol	"			ND	"	33				
Dimethyl phthalate	"			ND	"	33				
4,6-Dinitro-2-methylphenol	"			ND	"	170				
2,4-Dinitrophenol	"			ND	"	170				
2,4-Dinitrotoluene	"			ND	"	33				
2,6-Dinitrotoluene	"			ND	"	33				
Di-n-octyl phthalate	"			ND	"	33				

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Semivolatile Organic Compounds by EPA Method 8270C/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	**10V8024-BLK1**									
Fluoranthene	10/1/98			ND	ug/kg	33				
Fluorene	"			ND	"	33				
Hexachlorobenzene	"			ND	"	33				
Hexachlorobutadiene	"			ND	"	33				
Hexachlorocyclopentadiene	"			ND	"	33				
Hexachloroethane	"			ND	"	33				
Indeno (1,2,3-cd) pyrene	"			ND	"	33				
Isophorone	"			ND	"	33				
2-Methylnaphthalene	"			ND	"	33				
2-Methylphenol	"			ND	"	33				
3 & 4-Methylphenol	"			ND	"	33				
Naphthalene	"			ND	"	33				
2-Nitroaniline	"			ND	"	170				
3-Nitroaniline	"			ND	"	170				
4-Nitroaniline	"			ND	"	170				
Nitrobenzene	"			ND	"	33				
2-Nitrophenol	"			ND	"	33				
4-Nitrophenol	"			ND	"	170				
N-Nitrosodiphenylamine	"			ND	"	33				
N-Nitrosodi-n-propylamine	"			ND	"	33				
Pentachlorophenol	"			ND	"	170				
Phenanthrene	"			ND	"	33				
Phenol	"			ND	"	33				
Pyrene	"			ND	"	33				
1,2,4-Trichlorobenzene	"			ND	"	33				
2,4,5-Trichlorophenol	"			ND	"	170				
2,4,6-Trichlorophenol	"			ND	"	33				
Surrogate: 2-FP	"	*3300*		*1100*	"	*25-120*	*33*			
Surrogate: Phenol-d6	"	*3300*		*1400*	"	*24-110*	*42*			
Surrogate: 2,4,6-TBP	"	*3300*		*2300*	"	*19-120*	*70*			
Surrogate: Nitrobenzene-d5	"	*1700*		*760*	"	*23-120*	*45*			
Surrogate: 2-FBP	"	*1700*		*1900*	"	*30-120*	*110*			
Surrogate: p-Terphenyl-d14	"	*1700*		*1300*	"	*18-140*	*76*			
LCS	**10V8024-BS1**									
Acenaphthene	10/1/98	1700		990	ug/kg	31-140	58			
4-Chloro-3-methylphenol	"	3300		1700	"	26-100	52			
2-Chlorophenol	"	3300		1700	"	25-100	52			
1,4-Dichlorobenzene	"	1700		740	"	28-100	44			
2,4-Dinitrotoluene	"	1700		990	"	28-89	58			
4-Nitrophenol	"	3300		1800	"	11-110	55			

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Delta Environmental	Project:	Artesia	Sampled: 9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received: 9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported: 10/14/98 09:57

Semivolatile Organic Compounds by EPA Method 8270C/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**10V8024-BS1**									
N-Nitrosodi-n-propylamine	10/1/98	1700		900	ug/kg	41-130	53			
Pentachlorophenol	"	3300		2000	"	17-110	61			
Phenol	"	3300		1500	"	26-90	45			
Pyrene	"	1700		1200	"	35-140	71			
1,2,4-Trichlorobenzene	"	1700		890	"	38-110	52			
LCS Dup	**10V8024-BSD1**									
Acenaphthene	10/1/98	1700		940	ug/kg	31-140	55	19	5.3	
4-Chloro-3-methylphenol	"	3300		1700	"	26-100	52	33	0	
2-Chlorophenol	"	3300		1600	"	25-100	48	50	8.0	
1,4-Dichlorobenzene	"	1700		700	"	28-100	41	27	7.1	
2,4-Dinitrotoluene	"	1700		900	"	28-89	53	47	9.0	
4-Nitrophenol	"	3300		1700	"	11-110	52	50	5.6	
N-Nitrosodi-n-propylamine	"	1700		850	"	41-130	50	38	5.8	
Pentachlorophenol	"	3300		1700	"	17-110	52	47	16	
Phenol	"	3300		1500	"	26-90	45	35	0	
Pyrene	"	1700		1000	"	35-140	59	36	18	
1,2,4-Trichlorobenzene	"	1700		840	"	38-110	49	23	5.9	
Matrix Spike	**10V8024-MS1**		**8090189-31**							
Acenaphthene	10/1/98	1700	ND	1000	ug/kg	31-140	59			
4-Chloro-3-methylphenol	"	3300	ND	1800	"	26-100	55			
2-Chlorophenol	"	3300	ND	1800	"	25-100	55			
1,4-Dichlorobenzene	"	1700	ND	780	"	28-100	46			
2,4-Dinitrotoluene	"	1700	ND	960	"	28-89	56			
4-Nitrophenol	"	3300	ND	1700	"	11-110	52			
N-Nitrosodi-n-propylamine	"	1700	ND	910	"	41-130	54			
Pentachlorophenol	"	3300	ND	1900	"	17-110	58			
Phenol	"	3300	ND	1700	"	26-90	52			
Pyrene	"	1700	ND	1100	"	35-140	65			
1,2,4-Trichlorobenzene	"	1700	ND	940	"	38-110	55			

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Delta Environmental 2340 Trinity Mills, Suite 230 Carrollton, TX 75006	Project: Artesia Project Number: F098-130 Project Manager: Destini Baldonado		Sampled: 9/23/98 to 9/24/98 Received: 9/26/98 Reported: 10/14/98 09:57

Total Metals by EPA 200 Series Methods/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 10V8171	**Date Prepared: 9/29/98**				**Extraction Method: General Preparation**					
Blank	**10V8171-BLK1**									
Selenium	10/11/98			ND	mg/l	0.0050				
LCS	**10V8171-BS1**									
Selenium	10/11/98	1.0		1.1	mg/l	80-120	110			D
LCS Dup	**10V8171-BSD1**									
Selenium	10/11/98	1.0		1.2	mg/l	80-120	120	30	8.7	D
Batch: 10V8209	**Date Prepared: 10/6/98**				**Extraction Method: General Preparation**					
Blank	**10V8209-BLK1**									
Cadmium	10/14/98			ND	mg/l	0.0010				
LCS	**10V8209-BS1**									
Cadmium	10/14/98	1.0		1.0	mg/l	80-120	100			D
LCS Dup	**10V8209-BSD1**									
Cadmium	10/14/98	1.0		1.1	mg/l	80-120	110	30	9.5	D
Batch: 10V8210	**Date Prepared: 10/6/98**				**Extraction Method: General Preparation**					
Blank	**10V8210-BLK1**									
Lead	10/14/98			ND	mg/l	0.0050				
LCS	**10V8210-BS1**									
Lead	10/14/98	1.0		1.0	mg/l	80-120	100			D
LCS Dup	**10V8210-BSD1**									
Lead	10/14/98	1.0		0.99	mg/l	80-120	99	30	1.0	D
Matrix Spike	**10V8210-MS1**		**8100007-06**							
Lead	10/14/98	0.025	ND	0.024	mg/l	80-120	96			
Batch: 10V8214	**Date Prepared: 10/6/98**				**Extraction Method: General Preparation**					
Blank	**10V8214-BLK1**									
Arsenic	10/14/98			ND	mg/l	0.0050				
LCS	**10V8214-BS1**									
Arsenic	10/14/98	1.0		1.1	mg/l	80-120	110			D
LCS Dup	**10V8214-BSD1**									
Arsenic	10/14/98	1.0		1.2	mg/l	80-120	120		8.7	D

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Total Metals by EPA 6000/7000 Series Methods/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 09V8442	**Date Prepared: 9/29/98**				**Extraction Method: General Preparation**					
Blank	**09V8442-BLK1**									
Arsenic	9/30/98			ND	mg/kg	5.0				
Barium	"			ND	"	2.5				
Cadmium	"			ND	"	0.75				
Chromium	"			ND	"	0.75				
Lead	"			ND	"	5.0				
Selenium	"			ND	"	5.0				
LCS	**09V8442-BS1**									
Arsenic	9/30/98	25		28	mg/kg	80-120	110			
Barium	"	25		28	"	80-120	110			
Cadmium	"	25		28	"	80-120	110			
Chromium	"			28	"	80-120				
Lead	"	25		28	"	80-120	110			
Selenium	"	25		25	"	80-120	100			
LCS Dup	**09V8442-BSD1**									
Arsenic	9/30/98	25		25	mg/kg	80-120	100	30	9.5	
Barium	"	25		25	"	80-120	100	30	9.5	
Cadmium	"	25		25	"	80-120	100	30	9.5	
Chromium	"			28	"	80-120		30		
Lead	"	25		25	"	80-120	100	30	9.5	
Selenium	"	25		25	"	80-120	100	30	0	
Batch: 10V8084	**Date Prepared: 9/29/98**				**Extraction Method: General Preparation**					
Blank	**10V8084-BLK1**									
Silver	10/6/98			ND	mg/kg	2.0				
LCS	**10V8084-BS1**									
Silver	10/6/98	25		25	mg/kg	70-130	100			
LCS Dup	**10V8084-BSD1**									
Silver	10/6/98	25		22	mg/kg	70-130	88	20	13	
Batch: 10V8095	**Date Prepared: 9/29/98**				**Extraction Method: General Preparation**					
Blank	**10V8095-BLK1**									
Arsenic	10/7/98			ND	mg/l	0.20				
Barium	"			ND	"	0.10				
Cadmium	"			ND	"	0.030				
Chromium	"			ND	"	0.030				
Lead	"			ND	"	0.10				

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Total Metals by EPA 6000/7000 Series Methods/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Blank (continued)	10V8095-BLK1									
Selenium	10/7/98			ND	mg/l	0.20				
Silver	"			ND	"	0.030				
LCS	10V8095-BS1									
Arsenic	10/7/98	1.0		1.0	mg/l	80-120	100			
Barium	"	1.0		1.1	"	80-120	110			
Cadmium	"	1.0		1.0	"	80-120	100			
Chromium	"	1.0		1.0	"	80-120	100			
Lead	"	1.0		1.1	"	80-120	110			
Selenium	"	1.0		1.0	"	80-120	100			
Silver	"	1.0		0.97	"	80-120	97			
LCS Dup	10V8095-BSD1									
Arsenic	10/7/98	1.0		1.0	mg/l	80-120	100	20	0	
Barium	"	1.0		1.0	"	80-120	100	30	9.5	
Cadmium	"	1.0		1.1	"	80-120	110	30	9.5	
Chromium	"	1.0		1.0	"	80-120	100	30	0	
Lead	"	1.0		1.0	"	80-120	100	30	9.5	
Selenium	"	1.0		0.95	"	80-120	95	30	5.1	
Silver	"	1.0		1.0	"	80-120	100	20	3.0	

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Conventional Chemistry Parameters by APHA/EPA Methods/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 09V8382	**Date Prepared: 9/25/98**				**Extraction Method: General Preparation**					
Duplicate	**09V8382-DUP1**		**8090264-04**							
Reactivity	9/25/98		ND	ND	N/A					
Batch: 09V8389	**Date Prepared: 9/28/98**				**Extraction Method: General Preparation**					
Duplicate	**09V8389-DUP1**		**8090291-17**							
pH	9/28/98		7.89	7.90	pH units			10.0	0.127	
Batch: 09V8416	**Date Prepared: 9/29/98**				**Extraction Method: General Preparation**					
Blank	**09V8416-BLK1**									
Petroleum Oil Hydrocarbons	9/29/98			ND	mg/l	1.0				
LCS	**09V8416-BS1**									
Petroleum Oil Hydrocarbons	9/29/98	8.0		7.8	mg/l	80-120	98			
LCS Dup	**09V8416-BSD1**									
Petroleum Oil Hydrocarbons	9/29/98	8.0		8.0	mg/l	80-120	100	30	2.0	
Batch: 09V8446	**Date Prepared: 9/30/98**				**Extraction Method: General Preparation**					
Blank	**09V8446-BLK1**									
Petroleum Oil Hydrocarbons	9/30/98			ND	mg/kg	5.0				
LCS	**09V8446-BS1**									
Petroleum Oil Hydrocarbons	9/30/98	200		170	mg/kg	80-120	85			
LCS Dup	**09V8446-BSD1**									
Petroleum Oil Hydrocarbons	9/30/98	200		170	mg/kg	80-120	85	30	0	
Matrix Spike	**09V8446-MS1**		**8090291-03**							
Petroleum Oil Hydrocarbons	9/30/98	200	ND	180	mg/kg	80-120	90			
Matrix Spike Dup	**09V8446-MSD1**		**8090291-03**							
Petroleum Oil Hydrocarbons	9/30/98	200	ND	170	mg/kg	80-120	85	30	5.7	
Batch: 10V8117	**Date Prepared: 10/1/98**				**Extraction Method: General Preparation**					
Blank	**10V8117-BLK1**									
Total Dissolved Solids	10/1/98			10	mg/l	10				
Duplicate	**10V8117-DUP1**		**8090291-19**							
Total Dissolved Solids	10/1/98		4600	4400	mg/l			17	4.4	

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Physical Parameters by APHA/ASTM/EPA Methods/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 09V8425	**Date Prepared: 9/29/98**				**Extraction Method: General Preparation**						
Blank	**09V8425-BLK1**										
Reactive Cyanide	9/29/98			ND	mg/kg	250					
LCS	**09V8425-BS1**										
Reactive Cyanide	9/29/98			ND	mg/kg						
Duplicate	**09V8425-DUP1**		**8090291-10**								
Reactive Cyanide	9/29/98		ND	ND	mg/kg				20		
Batch: 09V8455	**Date Prepared: 9/30/98**				**Extraction Method: General Preparation**						
Blank	**09V8455-BLK1**										
Reactive Sulfide	9/30/98			ND	mg/kg	1.0					
Duplicate	**09V8455-DUP1**		**8090291-10**								
Reactive Sulfide	9/30/98		ND	ND	mg/kg				30		

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Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

TCLP Volatile Organic Compounds by EPA Method 1311/8260/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 10V8021	**Date Prepared: 10/1/98**				**Extraction Method: EPA 5030**					
Blank	**10V8021-BLK1**									
Benzene	10/1/98			ND	mg/l	0.0200				
2-Butanone	"			ND	"	0.100				
Carbon tetrachloride	"			ND	"	0.0200				
Chlorobenzene	"			ND	"	0.0200				
Chloroform	"			ND	"	0.0200				
1,2-Dichloroethane	"			ND	"	0.0200				
1,1-Dichloroethene	"			ND	"	0.0200				
Tetrachloroethene	"			ND	"	0.0200				
Trichloroethene	"			ND	"	0.0200				
Vinyl chloride	"			ND	"	0.0200				
Surrogate: DBFM	"	*0.0500*		*0.0507*	"	*86.0-118*	*101*			
Surrogate: Toluene-d8	"	*0.0500*		*0.0508*	"	*88.0-110*	*102*			
Surrogate: 4-BFB	"	*0.0500*		*0.0488*	"	*86.0-115*	*97.6*			
LCS	**10V8021-BS1**									
Benzene	10/1/98	0.0500		0.0539	mg/l	76.0-127	108			
Chlorobenzene	"	0.0500		0.0609	"	75.0-130	122			
1,1-Dichloroethene	"	0.0500		0.0409	"	57.0-145	81.8			
Trichloroethene	"	0.0500		0.0552	"	71.0-140	110			
Surrogate: DBFM	"	*0.0500*		*0.0512*	"	*86.0-118*	*102*			
Surrogate: Toluene-d8	"	*0.0500*		*0.0502*	"	*88.0-110*	*100*			
Surrogate: 4-BFB	"	*0.0500*		*0.0506*	"	*86.0-115*	*101*			
LCS Dup	**10V8021-BSD1**									
Benzene	10/1/98	0.0500		0.0531	mg/l	76.0-127	106	15.0	1.87	
Chlorobenzene	"	0.0500		0.0605	"	75.0-130	121	15.0	0.823	
1,1-Dichloroethene	"	0.0500		0.0406	"	58.0-145	81.2	15.0	0.736	
Trichloroethene	"	0.0500		0.0558	"	71.0-127	112	15.0	1.80	
Surrogate: DBFM	"	*0.0500*		*0.0508*	"	*86.0-118*	*102*			
Surrogate: Toluene-d8	"	*0.0500*		*0.0501*	"	*88.0-110*	*100*			
Surrogate: 4-BFB	"	*0.0500*		*0.0497*	"	*86.0-115*	*99.4*			

Star Analytical, Inc.

**Refer to end of report for text of notes and definitions.*

Lari Hall, Project Manager

STAR ANALYTICAL

14500 Trinity Boulevard, Suite 106 • Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6982 • FAX (817) 267-5431

Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

TCLP Semivolatiles by EPA Method 1311/8270/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 10V8040	**Date Prepared: 10/1/98**				**Extraction Method: EPA 3550**					
Blank	**10V8040-BLK1**									
o-Cresol	10/2/98			ND	mg/l	0.00800				
m,p-Cresols	"			ND	"	0.00800				
1,4-Dichlorobenzene	"			ND	"	0.00800				
2,4-Dinitrotoluene	"			ND	"	0.00800				
Hexachlorobenzene	"			ND	"	0.00800				
Hexachlorobutadiene	"			ND	"	0.00800				
Hexachloroethane	"			ND	"	0.00800				
Nitrobenzene	"			ND	"	0.00800				
Pentachlorophenol	"			ND	"	0.0400				
Pyridine	"			ND	"	0.0400				
2,4,5-Trichlorophenol	"			ND	"	0.0400				
2,4,6-Trichlorophenol	"			ND	"	0.00800				
Surrogate: 2-FP	"	*0.200*		*0.0745*	"	*43.0-116*	*37.3*			*9*
Surrogate: Phenol-d6	"	*0.200*		*0.0622*	"	*10.0-94.0*	*31.1*			
Surrogate: 2,4,6-TBP	"	*0.200*		*0.0891*	"	*10.0-123*	*44.6*			
Surrogate: Nitrobenzene-d5	"	*0.100*		*0.0357*	"	*35.0-114*	*35.7*			
Surrogate: 2-FBP	"	*0.100*		*0.0366*	"	*43.0-116*	*36.6*			*9*
Surrogate: p-Terphenyl-d14	"	*0.100*		*0.0908*	"	*33.0-141*	*90.8*			
LCS	**10V8040-BS1**									
1,4-Dichlorobenzene	10/2/98	0.100		0.0503	mg/l	30.0-150	50.3			D
2,4-Dinitrotoluene	"	0.100		0.101	"	30.0-150	101			D
Pentachlorophenol	"	0.200		0.166	"	30.0-150	83.0			D
LCS Dup	**10V8040-BSD1**									
1,4-Dichlorobenzene	10/2/98	0.100		0.0463	mg/l	30.0-150	46.3	50.0	8.28	D
2,4-Dinitrotoluene	"	0.100		0.102	"	30.0-150	102	50.0	0.985	D
Pentachlorophenol	"	0.200		0.164	"	30.0-150	82.0	50.0	1.21	D

Star Analytical, Inc.

**Refer to end of report for text of notes and definitions.*

L Hall

Lari Hall, Project Manager

STAR ANALYTICAL

14500 Trinity Boulevard, Suite 106 • Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6982 • FAX (817) 267-5431

Delta Environmental	Project:	Artesia	Sampled: 9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received: 9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported: 10/14/98 09:57

TCLP Metals by EPA 1311/6000/7000 Series Methods/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 10V8096	**Date Prepared: 9/24/98**				**Extraction Method: General Preparation**					
Blank	**10V8096-BLK1**									
Arsenic	10/7/98			ND	mg/l	0.200				
Barium	"			ND	"	0.100				
Cadmium	"			ND	"	0.0300				
Chromium	"			ND	"	0.0300				
Lead	"			ND	"	0.100				
Selenium	"			ND	"	0.200				
Silver	"			ND	"	0.0300				
Blank	**10V8096-BLK2**									
Arsenic	10/7/98			ND	mg/l	0.200				
Barium	"			ND	"	0.230				
Cadmium	"			ND	"	0.0300				
Chromium	"			ND	"	0.0300				
Lead	"			ND	"	0.100				
Selenium	"			ND	"	0.200				
Silver	"			ND	"	0.0300				
LCS	**10V8096-BS1**									
Arsenic	10/7/98	1.00		1.00	mg/l	50.0-150	100			
Barium	"	1.00		1.00	"	50.0-150	100			
Cadmium	"	1.00		1.00	"	50.0-150	100			
Chromium	"	1.00		1.00	"	50.0-150	100			
Lead	"	1.00		1.00	"	50.0-150	100			
Selenium	"	1.00		1.00	"	50.0-150	100			
Silver	"	1.00		0.950	"	50.0-150	95.0			
LCS	**10V8096-BS2**									
Arsenic	10/7/98	1.00		0.950	mg/l	50.0-150	95.0			
Barium	"	1.00		1.25	"	50.0-150	125			
Cadmium	"	1.00		0.980	"	50.0-150	98.0			
Chromium	"	1.00		0.980	"	50.0-150	98.0			
Lead	"	1.00		0.950	"	50.0-150	95.0			
Selenium	"	1.00		0.940	"	50.0-150	94.0			
Silver	"	1.00		1.00	"	50.0-150	100			
LCS Dup	**10V8096-BSD1**									
Arsenic	10/7/98	1.00		1.00	mg/l	50.0-150	100	30.0	0	
Barium	"	1.00		1.00	"	50.0-150	100	30.0	0	
Cadmium	"	1.00		1.00	"	50.0-150	100	30.0	0	
Chromium	"	1.00		1.00	"	50.0-150	100	30.0	0	

Refer to end of report for text of notes and definitions.

Star Analytical, Inc.

L Hall

Lari Hall, Project Manager

STAR ANALYTICAL
14500 Trinity Boulevard, Suite 106 • Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6982 • FAX (817) 267-5431

Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

TCLP Metals by EPA 1311/6000/7000 Series Methods/Quality Control
Star Analytical, Inc.

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup (continued)	**10V8096-BSD1**									
Lead	10/7/98	1.00		1.00	mg/l	50.0-150	100	30.0	0	
Selenium	"	1.00		1.00	"	50.0-150	100	30.0	0	
Silver	"	1.00		1.00	"	50.0-150	100	30.0	5.13	
LCS Dup	**10V8096-BSD2**									
Arsenic	10/7/98	1.00		1.10	mg/l	50.0-150	110	30.0	14.6	
Barium	"	1.00		1.00	"	50.0-150	100	30.0	22.2	
Cadmium	"	1.00		1.26	"	50.0-150	126	30.0	25.0	
Chromium	"	1.00		1.00	"	50.0-150	100	30.0	2.02	
Lead	"	1.00		1.00	"	50.0-150	100	30.0	5.13	
Selenium	"	1.00		1.00	"	50.0-150	100	30.0	6.19	
Silver	"	1.00		0.980	"	50.0-150	98.0	30.0	2.02	

Star Analytical, Inc.

Refer to end of report for text of notes and definitions.

L Hall

Lari Hall, Project Manager

STAR ANALYTICAL
14500 Trinity Boulevard, Suite 106 • Fort Worth, Texas 76155
(817) 571-6800 • Metro (817) 540-6962 • FAX (817) 267-5431

Delta Environmental	Project:	Artesia	Sampled:	9/23/98 to 9/24/98
2340 Trinity Mills, Suite 230	Project Number:	F098-130	Received:	9/26/98
Carrollton, TX 75006	Project Manager:	Destini Baldonado	Reported:	10/14/98 09:57

Notes and Definitions

#	Note
D	Data reported from a dilution.
1	Diesel
2	Surrogate recovery outside control limits due to interference from coeluting compounds within the sample matrix.
3	various hydrocarbons C4 to C30
4	Non-diesel hydrocarbons C12 to C24
5	Various peak >C22
6	Non-diesel hydrocarbons <C12
7	10X WAS NEEDED DUE TO MATRIX EFFECTS; 218-18 10X WAS ND AS WELL
8	Estimated value.
9	Method blank re-running for surr recovery
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Star Analytical, Inc.

L Hall

Lari Hall, Project Manager

CLIENT NAME: Delta Env.

Due 10/2 (SMY)
R7K & F-8 J

WORK ORDER: 8090291

REC. BY (PRINT): A. Dilley

DATE OF LOG-IN: 9/26/98

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) present?	Yes / No							
2. Custody Seal #:	4/Bubble	01	A	So. Tank - SW	1-4oz	Soil	9/24/98	
3. Chain of Custody present?	Yes / No	02		So. Tank - EW				
4. Chain of Custody filled out properly?	Yes / No	03		So. Tank - NW				
5. Ice and packing material?	Yes / No	04		So. Tank - WW				
6. Correct containers used?	Yes / No	05		No. Tank - SW				
7. Containers intact?	Yes / No	06		No. Tank - EW				
8. Does information on custody reports, traffic reports and sample tags agree?	Yes / No	07		No. Tank - NW				
		08		No. Tank - WW				
9. Headspace in VOA's?	Yes / No	09		G.W. Composite				No Tests Performed
10. Preserved properly?	Yes / No	10	A	Stockpile	1-4oz	4oz Soil	9/24/98	No Bottles Sent
11. Date Rec. at Lab:	9/26/98	11	A-B	Sump	2-4oz	4oz Soil	9/23/98	
12. Time Rec. at Lab:	10:30	12		Cont. - Pit				
13. Temp Rec. at Lab:	10°C	13		Cont - 1				
		14		Cont - 2				
2 Coolers Rec'd.		15		Cont - 3				

8090291-09A
GW Composite
09/24/98
Water - 4oz Jar
R7K

Shipping Method (circle one): STAR CLIENT AIRBORNE FED EX UPS OTHER:

CLIENT NAME: Delta Eng.

WORK ORDER: 8090291

REC. BY (PRINT): A. Cilley

DATE OF LOG-IN: 9/26/98

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT IDENTIFICATION	CONTAINER DESCRIPTION	SAMPLE MATRIX	DATE SAMP	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) present? (Yes) / No							
2. Custody Seal #: 9/24/98 DR.	16	A-B	CONT-4	2-402	Soil	9/23/98	
3. Chain of Custody present? (Yes) / No	17	↓	CONT-5	↓	↓	↓	
4. Chain of Custody filled out properly? (Yes) / No	18	↓	TANK	PLASTIC [illegible] 2000 ml GLASS	WATER	9/24/98	– HNO3 – H2SO4
5. Ice and packing material? (Yes) / No	19	A-F	PIT WATER	4-VOAS 1-AMBER GLASS 1 AMBER GLASS	↓	↓	– HCL – NO PRES – NO PRES
6. Correct containers used? (Yes) / No							
7. Containers intact? (Yes) / No							
8. Does information on custody reports, traffic reports and sample tags agree? (Yes) / No							
9. Headspace in VOA's? Yes / (No)							
10. Preserved properly? (Yes) / No							
11. Date Rec. at Lab: 9/26/98							
12. Time Rec. at Lab: 10:30							
13. Temp Rec. at Lab: 10°C (Amb)							
Jackets Recd. (PP)							

Shipping Method (circle one): STAR CLIENT AIRBORNE (FED EX) UPS OTHER: _____

Page 2 of 2

Via Certified Mail Return Receipt No. Z 424647717

Halliburton **Health, Safety and Environmental**

4100 Clinton (77020-6299) / Post Office Box 3 / Houston, TX 77001-0003

Post-it® Fax Note 7671	Date 1-22	# of pages ▶ 30
To DANIELLE	From ADAM SMITH	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

December 1, 1998

Ms. Danielle Berardelli
Rhino Environmental Services
5 County Rd. 6065
Farmington, New Mexico 87401

RE: Halliburton Energy Services (HES)
Sludge and Soil Pile
2311 South First Street
Artesia, Eddy County, New Mexico

Dear Ms. Berardelli:

Please find enclosed the Certificate of Waste Status and laboratory analysis for soil and sludge at the HES facility in Artesia, NM. The coordination of the transportation and disposal of this material will be handled by Mark Smith, Delta Environmental Services. His phone number is 972-418-5936. 900-815-2091

If you have any questions or need further information, please do not hesitate to contact me at 713-676-7898.

Sincerely,

Jim McGinty, P. G.
Project Manager

Enclosures

Cc: File
Mark Smith, Delta Environmental Services

O:\FEC\HES\EXCESS\ARTESTIA\W2002

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

RECEIVED
NOV 06 1998
Environmental Bureau
Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Pate Trucking Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site 1902 N. Plains Hwy. Denver City, Tx
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Pate Trucking Co.
3. Address of Facility Operator 5 CR 6065, Farmington, NM 87401, fx: (505) 598-9627	8. State Texas
7. Location of Material (Street Address or ULSTR)	Ashmore Fresh Water Station Gaines County, Texas

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Soil was contaminated by a spill of fresh + produced water.

Estimated Volume 150 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 10/21/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. (505) 598-9626

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J. Kelly TITLE: Env Geologist DATE: 11-9-98

CERTIFICATE OF WASTE STATUS

1. Generator (Name): Address: Pate Trucking Co., Inc. P.O. Box 760 Denver City, TX 79323	3. Location (Street Address &/or ULSTR): Vale E. Key Ashmore Fresh Water Station Gaines County, Texas
2. Originating Site (Name): Pate Trucking Co, Inc. P.O. Box 760 Denver City, TX 79323	4. Destination Name: Rhino Commercial Landfarm 8 mls. S. of Hobbs Lea County, NM

5. Source and Description of Waste
Fresh water + Produced water, spill produced contaminated soil.

I, Cotton Smith representative for: Pate Trucking Co, Inc. do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)

___ EXEMPT oilfield waste

✓ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by production identification

For Non-exempt waste only the following documentation is attached (check appropriate items):

___ MSDS Information
✓ RCRA TCLP Analysis
✓ Chain of Custody
___ Other (Description)

Name (Signature): Pate Trucking Co., Inc. By: Cotton Smith

Printed Name: Cotton Smith

Title: General Manager

Date: 9/2/98

Attach list of originating sites as appropriate.

ANACHEM INC.

8 Prestige Circle, Suite 104 Allen, Texas 75002
972/727-9003 • FAX # 972/727-9686 • 1-800-966-1186

Customer Name: Rhino Env. - Hobbs
Date Received: September 18, 1998 at 10:00:00
Date Reported: October 19, 1998
Submission #: 9809000294
Project: PATE TRUCKING

SAMPLES The submission consisted of 2 samples with sample I.D.'s shown in the attached data tables.

TESTS The samples listed in the attached result pages were analyzed for:
* CHLORIDE (SW-846 9253)
* CORROSIVITY (EPA 9040)
* IGNITABILITY (ASTM D92)
* MERCURY DIGESTION, TCLP (EPA 7470)
* MICROWAVE DIGESTION, TCLP (EPA 3015)
* REACTIVITY (FULL)
* TCLP HERBICIDES (EPA 8150A)
* TCLP NON-VOLATILE EXTRACTION (EPA 1311)
* TCLP PESTICIDES (EPA 8080A)
* TCLP RCRA MERCURY (EPA 7470)
* TCLP RCRA METALS (EPA 6010)
* TCLP SEMI-VOLATILES (EPA 8270)
* TCLP VOLATILES (EPA 8260)
* TCLP ZHE FOR VOLATILE ORGANICS (EPA 1311)
* TPH (EPA 418.1)

Distribution Of Reports
1-Mr. Allen Hodge of Rhino Env. - Hobbs
Ph. 505-392-4498 Fax 505-392-9376

Respectfully Submitted,
Anachem,Inc.

Howard H. Hayden, B.S.
Chemist

C.E. Newton, Ph.D.
Chemist

Submission #: 9809000294 lims

NOTE: Submitted material will be retained for 60 days unless notified or consumed in analysis. Material determined to be hazardous will be returned or a $20 disposal fee will be assessed. Our letters and reports are for the exclusive use of the client to whom they are addressed. The use of our name must receive our prior written approval. Our letters and reports apply to the sample tested and/or inspected, and are not necessarily indicative of the qualitites of apparently identical or similar materials.

116842 to 116843

Client Name: Rhino Env. - Hobbs
Submission #: 9809000294
Project Name: PATE TRUCKING
Report Date: 10/19/98

Client Sample #: STOCKPILE COMPOSITE
Laboratory ID #: 115842 *Order Type: Normal Matrix: Soil*
Sample Container: *4oz EPA Approved Glass Jar\Gray Lid*
Sampling Location: *ASHMORE, TX*
Sampling Date : *09/14/98*

CORROSIVITY (EPA 9040)

Analyte	Results	Detection Limit
Corrosivity	8.8	

IGNITABILITY (ASTM D92)
Ignitability: DOES NOT IGNITE AT ROOM TEMPERATURE; NOT HAZARDOUS

FLASH POINT = >150 F

MERCURY DIGESTION, TCLP (EPA 7470)
Mercury Digestion Date: 09/22/98

MICROWAVE DIGESTION, TCLP (EPA 3015)
Microwave Digestion Date: 09/22/98

REACTIVITY (FULL)
Reactive Cyanide (EPA 9010): <0.2 mg/kg
Reactive Sulfide (EPA 9030): <0.3 mg/kg
Reactivity To Air: Negative
Reactivity To Diluted HCl: Negative
Reactivity To Diluted NaOH: Negative
Reactivity To Water: Negative

TCLP HERBICIDES (EPA 8150A)
Prep Date: 09/24/98

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
94-75-7	2,4-D	<0.010	0.010	10
93-72-1	2,4,5-TP (Silvex)	<0.003	0.003	1

TCLP NON-VOLATILE EXTRACTION (EPA 1311)
TCLP Extraction Date: 09/22/98

TCLP PESTICIDES (EPA 8080A)
Prep Date: 09/24/98

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
58-89-9	gamma-BHC (Lindane)	<0.010	0.010	0.04
57-74-9	Chlordane	<0.010	0.010	0.03
72-20-8	Endrin	<0.010	0.010	0.02
76-44-8	Heptachlor	<0.005	0.005	0.008
1024-57-3	Heptachlor Epoxide	<0.005	0.005	0.008
72-43-5	Methoxychlor	<0.010	0.010	10.0
8001-35-2	Toxaphene	<0.010	0.010	0.5

TCLP RCRA MERCURY (EPA 7470)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
7439-97-6	TCLP Mercury	<0.0004	0.0004	0.2

Client Name: Rhino Env. - Hobbs
Submission #: 9809000294
Project Name: PATE TRUCKING
Report Date: 10/19/98

TCLP RCRA METALS (EPA 6010)

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
7440-38-2	Arsenic	<0.061	0.061	5
7440-39-3	Barium	**1.51**	0.001	100
7440-43-9	Cadmium	<0.008	0.008	1
7440-47-3	Chromium	<0.0075	0.0075	5
7439-92-1	Lead	<0.040	0.040	5
7482-49-2	Selenium	**0.059**	0.050	1
7440-39-2	Silver	<0.030	0.030	5

TCLP SEMI-VOLATILES (EPA 8270)
Prep Date:: 09/24/98

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
no C.A.S.	Cresol (Total)	<1.0	1.0	200.0
121-14-2	2,4-Dinitrotoluene	<0.10	0.10	0.13
118-74-1	Hexachlorobenzene	<0.10	0.10	0.13
87-68-3	Hexachlorobutadiene	<0.20	0.20	0.5
67-72-1	Hexachloroethane	<0.10	0.10	3.0
98-95-3	Nitrobenzene	<0.50	0.50	2.0
87-86-5	Pentachlorophenol	<0.20	0.20	100.0
110-86-1	Pyridine	<0.50	0.50	5.0
95-95-4	2,4,5-Trichlorophenol	<0.50	0.50	400.0
88-06-2	2,4,6-Trichlorophenol	<0.50	0.50	2.0

TCLP VOLATILES (EPA 8260)
Date analyzed: 09/23/98

C.A.S.#	Analyte	Results(mg/l)	Detection Limit	Haz.Limit
71-43-2	Benzene	<0.10	0.10	0.5
56-23-5	Carbon Tetrachloride	<0.10	0.10	0.5
108-90-7	Chlorobenzene	<0.10	0.10	100
67-66-3	Chloroform	<0.10	0.10	6.0
106-46-7	1,4-Dichlorobenzene	<0.10	0.10	7.5
107-06-2	1,2-Dichloroethane	<0.10	0.10	0.5
75-35-4	1,1-Dichloroethylene	<0.10	0.10	0.7
78-93-3	Methyl Ethyl Ketone	<0.10	0.10	200.0
127-18-4	Tetrachloroethylene	<0.10	0.10	0.7
79-01-6	Trichloroethylene	<0.10	0.10	0.5
75-01-4	Vinyl Chloride	<0.10	0.10	0.2

TCLP ZHE FOR VOLATILE ORGANICS (EPA 1311)
TCLP ZHE Extraction Date: 09/22/98

Client Sample #: FINAL COMPOSITE
Laboratory ID #: 115843 *Order Type: Normal Matrix: Soil*
Sample Container: *4oz EPA Approved Glass Jar\Black lid*
Sampling Location: *ASHMORE, TX*
Sampling Date : *09/14/98*

CHLORIDE (SW-846 9253)

Analyte	Results(mg/kg)	Detection Limit
Chloride	**24.1**	10

TPH (EPA 418.1)
TPH Prep Date: 09/23/98

Analyte	Results(mg/kg)	Detection Limit
Total Petroleum Hydrocarbons	**130**	10

Purchase Order/Chain Of Custody

Page___of ___.

Anachem, Inc. 8 Prestige Circle, Suite 104, Allen, TX 75002 Phone: 972-727-9003 Fax: 972-727-9686

Report To: ALLEN Hodge	Bill To: (Buyer) Rhino
Company: RHINO ENV. SERV.	Purchase Order #:
Address: 4007 LOVINGTON HWY	Address: P.O. BOX 25547
City, State, Zip: Hobbs, NM 88240	City, State, Zip: ALBQ, NM 87125
Phone: 505-392-4498 Fax: 505-392-9376	Phone: 505-247-4646 Fax: 505-~~392~~ 747-4874

Project Name: PATE TRUCKING Quote #:

Project Location: ASHMORE City, State: TX

Date Due: ASAP Rush: 0% 25% 50% 100% Sampled By: ALLEN Hodge

Lab#	Client Sample ID	Matrix	Date/Time	Sample Notes	Analysis: FULL TCLP+RG	TPH-418.1	CL					
115842	1. STOCK pile COMPOSITE	SOIL	9-14-98	1000	X							
↓ 43	2. FINAL COMPOSITE	SOIL	9-14-98	1100		X	X					
	3.											
	4.											
	5.											
	6.											
	7.											
	8.											
	9.											
	10.											

Relinquished By	Date	Time	Received By	Date	Time
[signature]	9-17-98	400	[signature]	9/18/98	10:00

Sample Receipt Notes
Temperature
Preserved Properly
COC Seals Intact
Method of Shipment

In the event that Anachem determines that a sample is hazardous, the client agrees to:
Pay For Sample Disposal____
Accept Returned Sample ____

Submission # 9809-294

010 REV 5/97

Sample information is vital for proper login and reporting. This is a contract subject to the terms and conditions on the reverse side.

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator Avra Oil Co.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site State #7 Well #1 Sec 7, T16S, R34E
2. Management Facility Destination Rhino Commercial Landfarm	6. Transporter Rhino Environmental
3. Address of Facility Operator 5 CR 6065 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	State #7 Well #1 Sec. 7, T16S, R34E

9. Circle One:

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

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Work over pit
Re entry of old well

SANTA FE
Copy!

SEP 1998
RECEIVED
Hobbs
OCD

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

SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 8/25/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Daniele Berardelli TELEPHONE NO. 598-9626 fx: 9627

(This space for State Use)

APPROVED BY: [signature] TITLE: Envr Eng DATE: 9/16/98

APPROVED BY: SF By [signature] TITLE: " DATE: "

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Avra Oil Co. 414 W. Texas, Ste. 406 Midland, TX 79701	**2. Destination Name:** Rhino Commercial Landfarm 8 mls S. of Hobbs Lea County, NM
3. Originating Site (name): Avra Oil Co. State # 7, Well # 1 Sec 7, T16S, R34E Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Work over pit Reentry of old well	

I, SAEED AFGHAHI (Print Name) representative for:

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

___ **EXEMPT** oilfield waste

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

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

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

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

Name (Original Signature): Saeed Afghahi

Title: PRESIDENT

Date: 8-14-98

RHINO ENVIRONMENTAL SERVICES, INC.

GENERATOR'S WASTE PROFILE SHEET

Waste Generator Information

1. Generator's Name: AURA OIL CO. 2.SIC Code: _____
3. Generator's Address: 414 W. TEXAS, SUITE 406, MIDLAND, TX 79701
4. Site Address: STATE #7 WELL #1 SEC. 7, T16S, R34E
5. LUST #: _____ 6. USEPA/Federal ID #: _____ 7. State ID#: _____
8. Technical Contact: SASSO AFGHAHI 9. Phone: 915-682-4866

Waste Stream Information

1. Type of Contaminant: Gasoline ____ Diesel ____ Waste Oil ____ Other X
2. Process Generating Waste: WORKOVER PIT, REENTRY OF OLD WELL
3. Projected Volume: 400 cyds 4. Soil: X Water: ____ Sludge: ____
5. Special Instructions/Supplemental Information: NONE

Waste Soil / Water Properties

1. Type of Soil - Sand: X Gravel: X Sandy Loam: ____ Clay: ____ Other: ____
2. Analytical Data - BTEX: ND ppm, Method _____
   TPH: ? ppm, Method _____
   TCLP: YES, Method _____ Other: _____, Method _____

Representative Sample Certification

1. Sampler's Name: ALLEN HOUSE 2. Sample Date: 3-18-98
3. Sampler's Title: VP OPERATIONS 4. Sampler's Employer: WEC
5. Sampler's Signature: [signature]
6. Analytical Data Enclosed (inclusive of quality control data and COC) - Yes: X No: ____

Generator Certification

By signing this profile sheet, the generator certifies that:

1. This waste is not a "Hazardous Waste" as defined by USEPA and/or the state/province.
2. This waste does not contain regulated radioactive materials or regulated concentrations of PCBs (polychlorinated Biphenyls).
3. This sheet and attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the Generator has been disclosed.
4. The analytical data presented herein or attached hereto were derived from testing representative samples taken in accordance with 40 CFR 261.20(c) or equivalent rules.
5. If any changes occur in the character of the waste, the Generator shall notify the Contractor prior to providing the waste to the Contractor.

Signature: [signature] Title: VP OPERATIONS

Printed Name: ALLEN HOUSE Date: 4-3-98

ANALYTICAL RESULTS
FOR

Western Environmental
P.O. Box 1816
Hobbs, NM 88240

Name of Collector : Allen Hodge

ASSIGNED TRANS-ENVIRO #	CUSTOMER ID	SAMPLE MATRIX	SITE, DATE & TIME OF COLLECTION
980320-09-A	Composite of Pit	Soil	Aura Oil Co. State 7 Well #1 Sec. 7 T16S R34E 3/18/98 12:00 pm PO 980318-AH

Post-it® Fax Note 7671	Date 4/1/98	# of pages ▶
To ALLEN HODGE	From	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

Laboratory Information : Sample was refrigerated upon receipt and analyzed as received.

Released by:
TRANS-ENVIRO ANALYTICAL SERVICES, INC.

Mark Kalmeyer
Lab Manager

H. Sitabkhan
Husein Sitabkhan
President/Lab Director

19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0658

Date : 04/01/98

Date Received : 03/20/98
Date Extracted: 03/24/98
Date Analyzed : 03/26-30/98

Analysis For : Western Environmental

TRANS-ENVIRO # : 980320-09-A

Customer I.D. : Composite of Pit

TCLP CONTAMINANTS

PARAMETER/(EPA HW No.[1])		DL mg/L	RL mg/L	RESULTS mg/L
Benzene	(D018)	0.05	0.5	BDL
Carbon tetrachloride	(D019)	0.05	0.5	BDL
Chlorobenzene	(D021)	0.05	100.0	BDL
Chloroform	(D022)	0.05	6.0	BDL
o-Cresol	(D023)	0.1	200.0	BDL
m-Cresol	(D024)	0.1	200.0	BDL
p-Cresol	(D025)	0.1	200.0	BDL
Cresol	(D026)	0.1	200.0	BDL
1,4-Dichlorobenzene	(D027)	0.05	7.5	BDL
1,2-Dichloroethane	(D028)	0.05	0.5	BDL
1,1-Dichloroethylene	(D029)	0.05	0.7	BDL
2,4-Dinitrotoluene	(D030)	0.1	0.13	BDL
Hexachlorobenzene	(D032)	0.1	0.13	BDL
Hexachlorobutadiene	(D033)	0.1	0.5	BDL
Hexachloroethane	(D034)	0.1	3.0	BDL
Methyl ethyl ketone	(D035)	0.5	200.0	BDL
Nitrobenzene	(D036)	0.1	2.0	BDL
Pentachlorophenol	(D037)	0.5	100.0	BDL
Pyridine	(D038)	0.1	5.0	BDL
Tetrachloroethylene	(D039)	0.05	0.7	BDL
Trichloroethylene	(D040)	0.05	0.5	BDL
2,4,5-Trichlorophenol	(D041)	0.1	400.0	BDL
2,4,6-Trichlorophenol	(D042)	0.1	2.0	BDL
Vinyl chloride	(D043)	0.05	0.2	BDL

DL = Detection Limit
RL = Regulatory Limit

BDL = Below Detection Limit
1 = Hazardous Waste Number

Method : EPA SW 846(8260,8270,1311)

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0809 • FAX: (216) 663-0656

SURROGATE RECOVERIES

TRANS-ENVIRO # : 980320-09-A

Customer I.D. : Composite of Pit

SURROGATE	% RECOVERY	% ACCEPTABLE LIMITS
Volatile Organic Compounds		
Dibromofluoromethane	117	86 - 118
Toluene-d8	93	88 - 110
Bromofluorobenzene	110	86 - 115
Semi-Volatile Organic Compounds		
Nitrobenzene-d5	60	35 - 114
2-Fluorobiphenyl	51	43 - 116
Terphenyl-d14	50	33 - 141
2-Fluorophenol	106	25 - 100
Phenol-d6	74	11 - 94
2,4,6-Tribromophenol	79	16 - 123

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 - FAX: (216) 663-0666

Date : 04/01/98

Date Received : 03/20/98
Date Extracted: 03/24/98
Date Analyzed : 03/27/98

Analysis For : Western Environmental

TRANS-ENVIRO # : 980320-09-A

Customer I.D. : Composite of Pit

CHARACTERISTIC of TCLP METALS

ELEMENT/(EPA HW No.[1])		DL mg/L	RL mg/L	RESULTS mg/L
Arsenic	(D004)	0.336	5.0	BDL
Barium	(D005)	0.015	100.0	0.61
Cadmium	(D006)	0.027	1.0	BDL
Chromium	(D007)	0.026	5.0	BDL
Lead	(D008)	0.136	5.0	0.20
Mercury	(D009)	0.0002	0.2	BDL
Selenium	(D010)	0.397	1.0	BDL
Silver	(D011)	0.009	5.0	0.02

RL = Regulatory Limit

DL = Detection Limit

BDL = Below Detection Limit

1 = Hazardous Waste Number

Methods : Extraction - EPA SW 846(1311)
Mercury - EPA SW 846(7470)
Other metals - EPA SW 846(6010)

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

TEL: (216) 663-0808 • FAX: (216) 663-0656

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

Date : 04/01/98

Date Received : 03/20/98
Date Analyzed : 03/25/98

Analysis For : Western Environmental

TRANS-ENVIRO # : 980320-09-A

Customer I.D. : Composite of Pit

(EPA HW No.[1]) /PARAMETER	TEST METHOD	DL	RL	RESULTS
(D001) Ignitability (Flash-point)	SW 846(1010)	N.A.	<140°F	>200°F
(D002) pH (leachable)	SW 846(9045)	N.A.	≤2 or ≥12.5	6.02 s.u.
(D003) Reactive Cyanide	SW 846(9010)	0.5 mg/Kg	250 mg/Kg	BDL
(D003) Reactive Sulfide	SW 846(9030)	50 mg/Kg	500 mg/Kg	BDL

N.A. = Not Applicable
BDL = Below Detection Limit
DL = Detection Limit
RL = Regulatory Limit
1 = Hazardous Waste Number

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

METHOD BLANK

TCLP CONTAMINANTS

PARAMETER/(EPA HW No.[1])		DL mg/L	RL mg/L	RESULTS mg/L
Benzene	(D018)	0.05	0.5	BDL
Carbon tetrachloride	(D019)	0.05	0.5	BDL
Chlorobenzene	(D021)	0.05	100.0	BDL
Chloroform	(D022)	0.05	6.0	BDL
o-Cresol	(D023)	0.1	200.0	BDL
m-Cresol	(D024)	0.1	200.0	BDL
p-Cresol	(D025)	0.1	200.0	BDL
Cresol	(D026)	0.1	200.0	BDL
1,4-Dichlorobenzene	(D027)	0.05	7.5	BDL
1,2-Dichloroethane	(D028)	0.05	0.5	BDL
1,1-Dichloroethylene	(D029)	0.05	0.7	BDL
2,4-Dinitrotoluene	(D030)	0.1	0.13	BDL
Hexachlorobenzene	(D032)	0.1	0.13	BDL
Hexachlorobutadiene	(D033)	0.1	0.5	BDL
Hexachloroethane	(D034)	0.1	3.0	BDL
Methyl ethyl ketone	(D035)	0.5	200.0	BDL
Nitrobenzene	(D036)	0.1	2.0	BDL
Pentachlorophenol	(D037)	0.5	100.0	BDL
Pyridine	(D038)	0.1	5.0	BDL
Tetrachloroethylene	(D039)	0.05	0.7	BDL
Trichloroethylene	(D040)	0.05	0.5	BDL
2,4,5-Trichlorophenol	(D041)	0.1	400.0	BDL
2,4,6-Trichlorophenol	(D042)	0.1	2.0	BDL
Vinyl chloride	(D043)	0.05	0.2	BDL

DL = Detection Limit
RL = Regulatory Limit

BDL = Below Detection Limit
1 = Hazardous Waste Number

Method : EPA SW 846(8260,8270)

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

METHOD BLANK

CHARACTERISTIC of TCLP METALS

ELEMENT/(EPA HW No.[1])		DL mg/L	RL mg/L	RESULTS mg/L
Arsenic	(D004)	0.336	5.0	BDL
Barium	(D005)	0.015	100.0	BDL
Cadmium	(D006)	0.027	1.0	BDL
Chromium	(D007)	0.026	5.0	BDL
Lead	(D008)	0.136	5.0	BDL
Mercury	(D009)	0.0002	0.2	BDL
Selenium	(D010)	0.397	1.0	BDL
Silver	(D011)	0.009	5.0	BDL

RL = Regulatory Limit

DL = Detection Limit

BDL = Below Detection Limit

1 = Hazardous Waste Number

Methods : Mercury - EPA SW 846(7470)
Other metals - EPA SW 846(6010)

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

METHOD BLANK

SURROGATE RECOVERIES

SURROGATE	% RECOVERY	% ACCEPTABLE LIMITS
Volatile Organic Compounds		
Dibromofluoromethane	115	86 - 118
Toluene-d8	93	88 - 110
Bromofluorobenzene	101	86 - 115
Semi-Volatile Organic Compounds		
Nitrobenzene-d5	59	35 - 114
2-Fluorobiphenyl	49	43 - 116
Terphenyl-d14	52	33 - 141
2-Fluorophenol	97	25 - 100
Phenol-d6	53	11 - 94
2,4,6-Tribromophenol	62	16 - 123

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

METHOD BLANK

(EPA HW No.[1]) /PARAMETER	TEST METHOD	DL	RL	RESULTS
(D001) Ignitability (Flash-point)	SW 846(1010)	N.A.	<140°F	N.A.
(D002) pH (leachable)	SW 846(9045)	N.A.	≤2 or ≥12.5	N.A.
(D003) Reactive Cyanide	SW 846(9010)	0.5 mg/Kg	250 mg/Kg	BDL
(D003) Reactive Sulfide	SW 846(9030)	50 mg/Kg	500 mg/Kg	BDL

N.A. = Not Applicable
BDL = Below Detection Limit
DL = Detection Limit
RL = Regulatory Limit
1 = Hazardous Waste Number

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128
TEL: (216) 663-0808 • FAX: (216) 663-0656

CHAIN-OF-CUSTODY

TRANS-ENVIRO ANALYTICAL SERVICES, INC.
19701 SOUTH MILES ROAD, WARRENSVILLE HEIGHTS, OHIO 44128-4257
TEL: (216) 663-0906 FAX: (216) 663-0656

CUSTOMER INFORMATION

COMPANY NAME: WESTERN ENVIRONMENTAL
CONTACT NAME: Allen Hodge
BILLING ADDRESS: P.O BOX 1816
CITY: Hobbs, NM
STATE/ZIP: 88240
PHONE (505) 392-5021
FAX (505) 392-9376
Purchase Order #: 980318-AH

COLLECTOR(S) NAME(S) print: Allen Hodge, Rem
COLLECTOR(S) SIGNATURE(S): [signature]
TURN-AROUND (circle): 24-hr 48-hr 72-hr One Week Regular Regular TCLP
ASAP
PRIORITY SERVICE APPROVED BY: AURA Oil Co
SITE LOCATION: State 7 Well #1 Sec 7 T16S R34E
DATE LOGGED: 3-18-98 VERBAL RESULTS DUE: ASAP SALESPERSON: DB

SAMPLES WILL BE DISPOSED OF IN ACCORDANCE WITH TRANS-ENVIRO ANALYTICAL SERVICES, INC.'S TERMS & CONDITIONS.

PARAMETER

TEAS #	CUSTOMER SAMPLE IDENTIFICATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	No. of CONTAINERS	8 TCLP METALS	TCLP VOC	TCLP Semi-VOC	RCT					OAG Sample	REMARKS
980320-09A	Composite of Pit	3-18-98	12:[illegible]	Soil	2	X	X	X	X						This sample was a 6 point composite sample taken from the pit

Relinquished by (sign)	Date/Time	Received by (sign)	Date/Time
[signature]	3-18-98 1:00 Pm		
Relinquished by (sign)	Date/Time	Received by (sign)	Date/Time
		[signature]	
Relinquished by (sign)	Date/Time	Received for Laboratory by (sign)	Date/Time
		[signature]	3/20/98 9:00 am

Report to be sent (if different than customer information):
NAME:
ADDRESS:
STATE/ZIP: FAX ( )

Method of Shipment (circle): US Mail UPS FED. EX. FEAS PICK UP PERSONAL DELIVERY OTHER
Laboratory Storage (circle): #1 #2 VOC

Additional Remarks:

WHITE - LAB YELLOW - REPORT PINK - CUSTOMER

07/07/98 TUE 11:11 FAX 5055989827 LEAD TEST LTD

District I - (505) 393-6161
P.O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-138
Originated 8/8/95

Submit Original
Plus 1 Copy
to appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ OK Lillie Verbal Approval Received: Yes ☒ No ☐	4. Generator BJ Services Co. USA
	5. Originating Site 5514 Carlsbad Hwy Hobbs, NM 88240
2. Management Facility Destination Thermo Commercial Landfarm Sec. 11, T22S, R38E, Lea County, NM	6. Transporter Thermo Environmental
3. Address of Facility Operator S. 62 Loop, Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5514 Carlsbad Hwy Hobbs, NM 88240

9. Circle One:

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

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is non-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

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

BRIEF DESCRIPTION OF MATERIAL:

Hydrocarbon impacted soil resulting from sump and ramp operation at acid dock.

RECEIVED Hobbs OCD 4 JUL 7-9-98

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

SIGNATURE: [signature] TITLE: Landfarm Manager DATE: 7/7/98
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Danielle Berardelli TELEPHONE NO. 505 398 9626
Fax: 9627

(This space for State Use)

APPROVED BY: [signature] TITLE: Env. Engr. DATE: 7/7/98

APPROVED BY: Martyn J. Kelly TITLE: Env Geologist DATE: 7-8-98