GW - 2001

REPORTS

YEAR(S):

ENVIROTECH INC.

PRACTICAL SOLUTION FOR A BETTER TOMORROW

FIELD ACTIVITIES
MITIGATION OF ENVIRONMENTAL HAZARDS

Project Location:

INFAB
5928 U.S. Highway 64
Farmington, NM 87401

PROJECT #01007-001

June 19, 2001

5796 U.S. HIGHWAY 64 - FARMINGTON, NM 87401 - (505)632-0615

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

June 19, 2001

Federated Environmental Associates
Attn: Jim Gossweiler
Bedford Square, 1314 Bedford Avenue
Baltimore, Maryland 21208

410-653-8434
Fax 410-653-3451

Re: Report for INFAB on-site activities

Dear Jim:

Enclosed are three bound copies of a report detailing cleanup activities conducted at the referenced location. Note that issues affecting human health and the environment have been completed (ie. paint wastes, oily soil and water, and other potential contaminants). When tools, equipment, and salvage steel have been removed from the property there will a need for a general cleanup of the property to remove general debris including various paper products, weeds, pallets, lumber, and similar types of non-RCRA debris.

The NMOCD should forward a qualified letter of release from the existing Discharge Plan. We will assist in seeing this item of work to completion.

If you have questions or comments regarding this project please feel free to contact us at 505-632-0615.

Sincerely,
Envirotech Inc.

Harlan M. Brown
Geologist / Hydrogeologist
New Mexico Certified Scientist #083

Field Activities
Mitigation of Environmental Hazards

Project Location:

INFAB
5928 US Hwy 64
Farmington, New Mexico 87401

Prepared for:

Barbara Tierney, Asset Recovery Specialist
The CIT Group
650 CIT Drive
Livingston, New Jersey 07039

Prepared by:

Envirotech Inc.
5796 US Hwy 64
Farmington, New Mexico 87401

Project Number 01007-001

TABLE OF CONTENTS

Yard Cleanup Report
INFAB

Introduction

INFAB yard was the site of an industrial manufacturing facility located at 5928 US Highway 64, Farmington, New Mexico. The site has been used by several companies as an industrial manufacturing facility. On-site activities have been related to the fabrication of new oil and gas production equipment and reconditioning used oil and gas production equipment for resale or reuse by oil and gas production companies. Industrial activity at the site included welding, pipe fitting, metal bending and cutting, and painting associated with fabrication of new equipment including separators, dehydrators, re-boilers, and production tanks. Used production equipment was refurbished on this site as well. Wastes associated with cleaning and refurbishing used production equipment are considered "exempt" under Federal and New Mexico law.

Scope of Work

Envirotech Inc. has been contracted by Federated Environmental Associates, Inc. to mitigate various sources of contamination that may be potential threats to human health and the environment. The scope of work requested by Federated included the following items:

1) Remove waste drums containing , soils, machine parts, scrap metal, rain water, etc. (Characterize and remove if hazardous)

2) Remove non-hazardous paint wastes on-site. Leave new sealed paint containers on-site. If reasonable remove and dispose of all paints on-site.

3) Remove fuel from aboveground fuel storage tanks on-site (gasoline and diesel).

4) Remove any and all open drums containing product (e.g. antifreeze, motor oils, and hydraulic fluids).

5) Remove any other wastes that Envirotech identified as being regulated or hazardous during our assessment of the site.

6) Conduct grab sampling at key locations on the site for metals analyses.

Envirotech was to involve the New Mexico Oil Conservation Division as necessary to obtain closure of a "Discharge Plan" issued through the New Mexico Oil Conservation Division.

On-Site Activity

The scope of work for this project, outlined in a November 8, 2000 proposal submitted to Federated Environmental Associates, was divided into work activity based on the nature of the contaminants. In general work categories included the following:

A) Hazardous materials inventory, profiling, over-packing for shipment, and disposal.
B) Screening, sampling, profiling, and disposing of soils impacted by oils or paints.
C) Screening, sampling, profiling, and disposing of water associated with production activity (hydrostatic test water and wash water at the refurbishing area).
D) Cleaning and inspecting sumps in the shops and arranging for appropriate disposal. This item was added after the proposal was approved to meet closure guidelines established by the NMOCD.

A) Hazardous Materials Handling

Drums, buckets, and aerosol cans were gathered to a common location for profiling and consolidation. Each container was opened to determine the type of paint or fluid contained therein. All paints on this location were flammable liquids (alkalyd epoxies and enamels containing xylene). The integrity of new paint products was suspect due to below zero weather conditions experienced in January 2001. Paints contained in five gallon and one gallon containers were bulked into fifty-five gallon open top DOT approved 1A2 steel drums for shipping. Aerosol cans were bulked into a single 55 gallon shipping drum for disposal. Xylene liquids were bulked together for disposal. Soil contaminated with dry paint solids from the open paint shop located at the east side of the property was drummed and sent to Waste Management of New Mexico's San Juan Regional Landfill.

In an effort to minimize disposal charges for disposal of hazardous materials at an EPA permitted Treatment, Storage, and Disposal Facility, bulked materials were packaged to simplify profiling into Flammable Liquids, Flammable Solids, and where necessary Flammable Liquids with a percentage of sludge or solids. Closed top drums were "de-headed" to allow removal of sludge from the bottoms. One and five gallon buckets containing an inch or more of paint solids/sludge were cut in half across the bottom to allow removal of the paint solids for disposal. Drum skulls and paint bucket skulls were loaded and transported to San Juan Recycling for recycling of the steel.

There was an open top ten (10) barrel tank at the northwest corner of the main shop building. This tank had been used as a settling / separator tank for xylene wastes. Sludge paint bottoms, water, and spent xylene were removed from this vessel and placed in drums for disposal. The tank was then wiped dry with rags. All cleaning materials were drummed for disposal as hazardous waste.

As materials were packaged for disposal the drums were numbered and inventoried based on the contents. Table 1 is a summary of drums by number, the contents of the drum, and how the drums were handled for disposal.

Table One

Drum List, Contents and Disposition

#1)	Flammable Liquid - Spent Xylene	Envirosolve Southwest
#2)	Flammable Liquid - Spent Xylene w/ 2" Sludge	Envirosolve Southwest
#3)	Flammable Liquid - Spent Xylene	Envirosolve Southwest
#4)	Flammable Liquid - Spent Xylene	Envirosolve Southwest
#5)	Flammable Liquid - Spent Xylene w/ 2" Sludge	Envirosolve Southwest
#6)	25% Flam Liq - 75% flammable Solids (paint)	Envirosolve Southwest
#7)	Soil with Paint Solids	Waste Management NMSJRL
#8)	50% Flam Liq - 50% Flammable sludge	Envirosolve Southwest
#9)	Soil with Paint Solids	Waste Management NMSJRL
#10)	Soil with Paint Solids	Waste Management NMSJRL
#11)	Flammable Liquid - 50% sludge (paint)	Envirosolve Southwest
#12)	Flammable Liquid - 2" sludge	Envirosolve Southwest
#13)	Soil with Paint Solids	Waste Management NMSJRL
#14)	Flammable Liquid - 50% sludge (paint)	Envirosolve Southwest
#15)	Flammable Liquid - 50% sludge (paint)	Envirosolve Southwest
#16)	Soil with Paint Solids	Waste Management NMSJRL
#17)	Paint Solids/Debris, floor sweep w/ xylene	Envirosolve Southwest
#18)	Aerosol Cans	Envirosolve Southwest
#19)	Paint Sludge with Water	Envirosolve Southwest
#20)	Paint Sludge with Water	Envirosolve Southwest
#21)	Paint Sludge with Water	Envirosolve Southwest
#22)	Soil with Paint Solids	Waste Management NMSJRL
#23)	Flammable Solids (paint drum bottoms)	Envirosolve Southwest
#24)	Flammable Sludge (paint drum bottoms)	Envirosolve Southwest
#25)	"Lab" Pack (misc. Small containers)	Envirosolve Southwest
#26)	Flammable solids (Crust from xylene tank)	Envirosolve Southwest
#27)	Flammable Liquid 25% - Water 75% (SA #26)	Envirosolve Southwest
#28)	Flammable Liquid 25% - Water 75% (SA #26)	Envirosolve Southwest
#29)	Drum of Hydraulic Oil	Mesa Oil Recycling
#30)	Drum of oily Water	Mesa Oil Recycling

Envirotech contacted the New Mexico Hazardous Waste Bureau to determine whether the facility had an EPA Generator Identification Number. The facility did not have a number. A temporary number was obtained to facilitate transport and disposal of the hazardous materials (paint related wastes). A copy of the Notification of Regulated Waste Activity is included in this report with copies of the Uniform Hazardous Waste Manifests documenting pickup of the waste. *The Generator's Original Copy of the Uniform Hazardous Waste* Manifests are to be returned to Federated Environmental Associates by Envirosolve Southwest.

Several drums of refuse were loaded and hauled to Waste Management of New Mexico's San Juan Regional landfill. While paper and corrugated box handling were not integral to environmental issues, the open top barrels containing the refuse were susceptible to receiving rainwater and floating residual oils out on to the ground. Empty steel drums were sent to San Juan Recycling for recycling.

B) Handling Oily Soils

Oily soils were found in drums, around metal cutting equipment, and in the refurbishing area located in the "Hilltop Gang" area of the facility. As previously indicated all drums were inspected for oily debris. Drums containing metal parts, fittings, "Paul Rings", and other fabrication parts were inspected for suspect material. Oily materials were removed for appropriate disposal and remediation. Drums containing "parts only" were left on-site. Envirotech worked closely with the NMOCD to arrive at acceptable profiling measures for oily soil disposal.

Oily soil at the equipment refurbishing area was determined to be "exempt" oilfield waste because the wastes generated from the equipment are in contact with unprocessed natural gas in the gathering system of natural gas production areas. The wastes were screened for the presence of NORMs (Naturally Occurring Radioactive Materials). A profile was completed and approved by the NMOCD. Soil from the refurbishing area was loaded and transported to Envirotech's NMOCD permitted Soil Remediation Facility, Landfarm #2 for remediation of petroleum hydrocarbon contamination constituents.

Soil samples were collected from stained areas around metal cutting equipment (COC # 8529 - Lab ID# 19315) and soil stained with hydraulic oil leaks from old Hyster forklifts (COC #8514 - Lab ID #19234). Soil samples were analyzed for Trace Metals associated with engine wear and hydraulic ram wear. Metals were not detected above Maximum Allowable Concentrations (40 CFR 261.24). Note that the analysis is by USEPA Method 6010B for "Total Metals". Reported results are divided by 20 for comparison to TCLP Maximum Allowable Concentrations. These wastes were found to be non-hazardous and characterized as Oilfield Non-Exempt wastes. Profiles were again completed for the NMOCD, soils excavated, transported, and placed in Landfarm #2 for remediation of petroleum hydrocarbon contaminants. Wind blown sediments had accumulated in oil recovery trays beneath the oil cooled band saws. This oily sediment and oil soaked soil surrounding the cutting equipment was excavated and transported to Envirotech's Soil Remediation Facility, Landfarm #2.

There were several large stains on the property where hydraulic oil had spilled on the ground as a result of leaking hoses on the forklifts. Recovery of hydraulic oil contaminated soil was apparently an ongoing problem because several barrels of soil exhibiting the same type of contamination were found stored on pallets at the northeast end of the property. This soil was excavated, loaded, and transported to Landfarm #2 for remediation.

C) Water Screening, Profiling and Disposal

There were several locations with water in storage on-site. Two large tanks contained water for conducting hydrostatic testing on finished production equipment. There were sumps in the floor of each of the three main shop buildings. A 10,000 gallon above ground storage was in service between the Main Shop/Office and the west shop "Hilltop" area to hold wash water from the equipment refurbishing area.

Wash water from the equipment refurbishing area gravity feeds along a concrete trough to a pipe which dumps the water to a 10,000 gallon aboveground storage tank located east of the wash pad. This water was classified as Oilfield Exempt waste. The water was profiled for disposal at Key Energy's NMOCD permitted Water Injection Facility located at #345 County Road 3500, Farmington, New Mexico. Two loads of exempt wash water were hauled to Key Energy for underground injection.

There are two tanks on the site that were used to store hydrostatic test water. A representative water sample was collected from the tanks and analyzed for Total Metals. The water was found to be non-hazardous and profiled as Oilfield Non-exempt waste for injection at Key Energy's Injection Facility. Water samples were also analyzed from each of three sumps in buildings (Code Shop Sump COC #8529 Lab ID #19311; Main Shop Sump, COC 8529, Lab ID # 19312; and Hydro Shop Sump, COC 8530, Lab ID #19317) on the property and from four barrels of water labeled "Anti-Freeze"(COC #8529 Lab ID #19310). Note that the water sample from the Hydro Shop sump was analyzed by Toxicity Characteristic Leaching Procedure (TCLP) without Herbicides and Pesticides because there was evidence of frequent painting operations over the sump grate. Results of the analyses are included with each set of profiles for disposal. None of the samples had constituents that exceed Maximum Allowable Concentrations detailed in 40 CFR 261.24. Four eighty barrel loads of water were removed from the Hydrostatic Test Water Tanks, sumps, and barrels labeled as antifreeze and transported to Key Energy's Injection Facility.

The hydrostatic test water storage tanks were set up with plumbing that allowed the water to be recycled for future testing events. The system was set up to allow test water to be drained into the floor sumps where sump pumps picked the water up and cycled it back to the tanks. Without power to the facility the pumps were useless and impeded discharge from the tanks. In order to recover the water for disposal Envirotech had to modify the plumbing to drain the tanks. A union was removed from the two inch steel drain line on 210 barrel tank at the east side of the property and 2" steel pipe installed with a "quick couple" to facilitate offloading the tank. When water levels dropped below the line another plug was removed and a thief line constructed to finish draining water from the tank.

Inside the main shop there was a 300 barrel tank. A union was removed at the pump to gain access to a 1 ½" line connected to the bottom of the tank. Various odd sized nipples were used to construct a connection that could be attached to the vacuum truck. Concrete floor channels and the sump were vacuumed out in conjunction with the tank draining.

D) Cleaning Sumps

Federated Environmental Associates agreed with Envirotech's recommendation that the NMOCD be involved with closure activities at the INFAB site so that duplicate sampling and analysis would not occur. The NMOCD has required that sumps on the property be drained and inspected for structural integrity. This phase of the work was conducted in conjunction with the water disposal. A power washer was used at each sump to wash down the sump walls and floors so that they could be inspected. The only sump that may be a problem is the one in the Main Shop. The cold joint between the flat work of the floor and the vertical walls of the sump is deeply weathered . The drain line serving this sump is actually below the cold joint but has been plugged to prevent flow to an on-site septic tank. As long as water accumulations in the sump were properly recycled to the adjacent 300 barrel hydrostatic test water tank there should have no discharge through the cold joint. There was no evidence of oil accumulation in any of the sumps. Trace Metals analysis on each sump did not have metals concentrations high enough to be of concern.

Summary

Petroleum hydrocarbon contamination resulting from the operation of equipment and from cleaning oil and natural gas production equipment has been removed from the subject property. Oily solid waste has been profiled and disposed of in according to rules established by the NMOCD for an oilfield service company. Paint products, paint wastes, and chemical products used in the fabrication process found on the facility abandoned by the previous facility operator have been properly profiled and disposed of at EPA permitted Treatment, Storage, and Disposal Facilities. Waste waters associated with hydrostatic testing of new and refurbished production equipment has been analyzed for Trace Metals, profiled, and disposed of at an NMOCD permitted underground injection well.

Soil sampling has been conducted at areas where painting was conducted on open ground and where hydraulic and cutting oils were spilled. Metals contamination does not appear to be an issue for this site.

All work has been conducted in cooperation with the New Mexico Oil Conservation Division. The CIT Group should receive a letter from the NMOCD indicating that in its current condition the site could be released from a discharge plan prepared by the previous operator.

There remains on-site a sizeable inventory of useful production materials and equipment that should be of cash value. This material includes numerous electric rod and wire type welders, welding wire and rod, specialty rollers, supports, presses, gantries, and numerous hand tools for large diameter nuts and bolts. There are also three old forklifts on the property. Offices and shops alike appear ready to use in that desks , computers, chairs, office appurtenances are in place as are tools and equipment needed to fabricate

production equipment.

The scope of this project did not include removal general debris. When useful manufacturing equipment, steel products, and parts have been removed from the property there will be a need for cleanup of general refuse to improve the aesthetic appearance of the property.

With regard to environmental compliance issues, Envirotech Inc. recommends that No Further Action be taken at this site.

Statement of Limitations

The scope of Envirotech's services was limited to characterizing, profiling, packaging, and disposal of potential contaminants on the surface at the former INFAB Manufacturing plant. Characterization of waste streams involved knowledge of process and laboratory analysis where appropriate. Wastes generated as result of this project have been disposed, recycled, or remediated as necessary with documentation from each agency involved. All work has been performed in accordance with generally accepted professional practices in geology, hydrogeology, and environmental engineering practices.

This report is been prepared at the request of Federated Environmental Associates for the exclusive use of The CIT Group as it pertains to the subject site located east of Farmington, New Mexico.

I hereby certify that the work described in this report was performed under my direct supervision, that I am personally familiar with the nature of the work, the results of the analysis, and the contents of this report.

Respectfully submitted,
Envirotech Inc.

Harlan M. Brown
Geologist / Hydrogeologist
New Mexico Certified Scientist #083

Reviewed:

Morris D. Young
President
NMCS #098

The CIT Group INFAB Yard Cleanup Paint & Oil related Wastes 5928 US Hwy 64 Farmington, New Mexico San Juan County, NM	Envirotech Inc. Environmental Scientists & Engineers 5796 US Highway 64 Farmington, New Mexico	Site Map
Project No.: 01007-001		Figure 1 | Date: 06/01 DRW: HMB | PRJ MGR: HMB

Federated Environmental Associates, Inc.

April 4, 2001

Harlan M. Brown, Geologist/Hydrogeologist
Envirotech, Inc.
5796 U.S. Highway 64
Farmington, New Mexico 87401

Via First Class Mail

RE: Signatory Agent Authorization for Harlan M. Brown
Five Industrial Buildings on 12.0-Acres/Former InFab, Inc. Site
5928 U.S. Highway 64
Farmington, New Mexico 87401

Dear Mr. Brown:

Federated Environmental Associates, Inc. ("Federated") herewith authorizes Harlan M. Brown, working in the capacity of Geologist/Hydrogeologist for Envirotech, Inc., to sign as Federated's authorized agent in the proper characterization and disposal of certain chemical wastes located on the above-captioned property. Federated understands that Harlan M. Brown, working in the capacity of authorized agent in the characterization and disposal of said wastes, will complete said characterization and disposal of the chemical wastes in accordance with the laws of the State of New Mexico.

If you have questions regarding any aspect of this authorization, please contact me at the telephone number hereon.

Respectfully,

FEDERATED ENVIRONMENTAL ASSOCIATES, INC.

James C. Gossweiler, REA (CA), RHSP
Senior Vice President

Attachment: *Notification of Regulated Waste Activity*
cc: File #011562

Bedford Square • 1314 Bedford Avenue • Baltimore, Maryland 21208
Telephone: (410) 653-8434 Fax: (410) 653-3451 email: feaorg@aol.com

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0246-EPA-OIT

Please refer to Section V, Line-by-Line Instructions for Completing EPA Form 8700-12 before completing this form. The information requested here is required by law (Section 3010 of the *Resource Conservation and Recovery Act*).

Notification of Regulated Waste Activity

EPA United States Environmental Protection Agency

Date Received (For Official Use Only)

I. Installation's EPA ID Number *(Mark 'X' in the appropriate box)*

☐ A. Initial Notification ☐ B. Subsequent Notification *(Complete item C)*

C. Installation's EPA ID Number: NMP360096816

II. Name of Installation *(Include company and specific site name)*

INFAB FEDERATED ENVIRONMENTAL

III. Location of Installation *(Physical address not P.O. Box or Route Number)*

Street: 5928 US HWY 64

Street *(Continued)*:

City or Town: FARMINGTON | State: NM | Zip Code: 87401-

County Code: | County Name: SAN JUAN

IV. Installation Mailing Address *(See instructions)*

Street or P.O. Box: BEDFORD SQUARE 1314 BEDFORD AVE

City or Town: BALTIMORE | State: MD | Zip Code: 21208-

V. Installation Contact *(Person to be contacted regarding waste activities at site)*

Name *(Last)*: Gossweiler | *(First)*: JAMES

Job Title: Senior VP | Phone Number *(Area Code and Number)*: 410-653-8434

VI. Installation Contact Address *(See instructions)*

A. Contact Address Location: ☐ Mailing: X | B. Street or P.O. Box:

City or Town: | State: | Zip Code:

VII. Ownership *(See instructions)*

A. Name of Installation's Legal Owner: SPURGIN CURRY INDUSTRIES

Street, P.O. Box, or Route Number: 5928 US HIGHWAY 64

City or Town: FARMINGTON | State: NM | Zip Code: 87401-

Phone Number *(Area Code and Number)*	B. Land Type	C. Owner Type	D. Change of Owner Indicator	Date Changed Month Day Year
NA - -	P	P	Yes ☐ No ☐	

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0028 Expires 12/31/02
GSA No. 0246-EPA-OT

ID - For Official Use Only

VIII. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions)*

A. Hazardous Waste Activities

1. Generator *(See instructions)*
   - [ ] a. Greater than 1000kg/mo (2,200 lbs.)
   - [X] b. 100 to 1000 kg/mo (220-2,200 lbs.)
   - [ ] c. Less than 100 kg/mo (220 lbs)
2. Transporter *(Indicate Mode in boxes 1-5 below)*
   - [X] a. For own waste only
   - [ ] b. For commercial purposes

Mode of Transportation
- [ ] 1. Air
- [ ] 2. Rail
- [X] 3. Highway
- [ ] 4. Water
- [ ] 5. Other - specify

3. [ ] Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions.
4. Exempt Boiler and/or Industrial Furnace
   - [ ] a. Smelting, Melting, and Refining Furnace Exemption
   - [ ] b. Small Quantity On-Site Burner Exemption
5. [ ] Underground Injection Control

B. Universal Waste Activity

- [ ] Large Quantity Handler of Universal Waste

C. Used Oil Management Activities

1. Used Oil Transporter/Transfer Facility - Indicate Type(s) of Activity(ies)
   - [ ] a. Transporter
   - [ ] b. Transfer Facility
2. Used Oil Processor/Re-refiner - Indicate Type(s) of Activity(ies)
   - [ ] a. Processor
   - [ ] b. Re-refiner
3. [ ] Off-Specification Used Oil Burner
4. Used Oil Fuel Marketer
   - [ ] a. Marketer Who Directs Shipment of Off-Specification Used Oil to Used Oil Burner
   - [ ] b. Marketer Who First Claims the Used Oil Meets the Specifications

IX. Description of Hazardous Wastes *(Use additional sheets if necessary)*

A. Listed Hazardous Wastes *(See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)*

1	2	3	4	5	6
F003					
7	**8**	**9**	**10**	**11**	**12**

B. Characteristics of Nonlisted Hazardous Wastes *(Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. See 40 CFR Parts 261.20 - 261.24. See instructions if you need to list more than 4 toxicity characteristic waste codes.)*

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic	(List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s)) 1	2	3	4
X	X						

C. Other Wastes *(State-regulated or other wastes requiring a handler to have an I.D. number. See instructions.)*

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

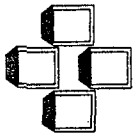
Signature	Name and Official Title *(Type or print)*	Date Signed
Harlan M Brown	HARLAN M. BROWN GEOLOGIST	3.22.01

XI. Comments

ENVIROTECH, INC. 5796 HWY 64, FARMINGTON, NEW MEXICO 87401

Note: Mail completed form to the appropriate EPA Regional or State Office. *(See Section IV of the booklet for addresses.)*

RECEIVED APR 6 2001



Federated Environmental Associates, Inc.

April 4, 2001

Jack Ford
New Mexico Oil Conservation Division
1220 S. St. Francis Drive
Santa fe, New Mexico 87401

Via First Class Mail

RE: Notification of Termination of Operations/Request for Discharge Plan Closure
Five Industrial Buildings on 12.0-Acres/Former InFab, Inc. Site
5928 U.S. Highway 64
Farmington, New Mexico 87401

Dear Mr. Ford:

Federated Environmental Associates, Inc. notifies herewith the New Mexico Oil Conservation Division (NMOCD) that the above company has entered bankruptcy, and has ceased operations on-site. Federated Environmental requests, based on completion of the regulated waste removal currently in progress, the NMOCD inspect the facility for compliance with INFAB's Closure Plan, and close the Discharge Plan issued to INFAB. The remediation efforts underway on-site include the removal of surface soils containing petroleum hydrocarbons and the removal and disposal of various containerized liquid and solid wastes.

Thank you for your efforts in this matter. If you have any questions regarding any aspect of this matter, please contact me at the telephone number hereon or the local contact, Harlan M. Brown, at Envirotech, Inc. (505 632-0615).

Respectfully,

FEDERATED ENVIRONMENTAL ASSOCIATES, INC.

James C. Gossweiler, REA (CA), RHSP
Senior Vice President
cc: Denny Foust, NMOCD Aztec Office
File #011562

Bedford Square • 1314 Bedford Avenue • Baltimore, Maryland 21208
Telephone: (410) 653-8434 Fax: (410) 653-3451 email: feaorg@aol.com

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

November 8, 2000

Federated Environmental Associates
Attn: Patrick Houp
Bedford Square
1314 Bedford Avenue
Baltimore, Maryland 21208

410-653-8434
Fax 410-653-3451

Re: Oily soil, stored water, and paint waste cleanup at In-Fab yard, Farmington, New Mexico

Dear Patrick:

Envirotech is pleased to provide a quote for cleanup of various waste streams at the InFab Yard in Farmington, New Mexico. We review the areas addressed by the scope of work provided by your office and offer the following work plan for each item:

1) Waste drums containing soils, machine parts, scrap metal, rain water, etc. (characterize and remove if hazardous).

We recommend collecting a composite sample from drums containing oily soil, scrap metal, and machine parts. (We have assumed that drums containing scrap metal only will be left on-site with other flat and rolled steel stock.) Drums that clearly contain oily soil will be profiled. We recommend RCRA 8 Metals analysis and RCRA RCI to eliminate metals contamination. Total petroleum Hydrocarbon Contamination is clearly evident. Envirotech can provide remediation service for TPH contamination at a reasonable cost.

Five drums of water were located together on pallets where anti-freeze was collected. We recommend compositing the drums for analysis of RCRA 8 Metals and RCRA RCI. (At least one of these drums appeared to be greater than half full of mud.) With proper profiling we can probably handle these drums at our landfarm as well.

2) Non-hazardous paint waste on-site. Leave new, sealed paint containers on-site. Also, give price to remove/dispose of all paints found on-site.

All of the paint containers we observed were labeled as combustible or had distinctive xylene odors associated with their contents. We recommend that the paint wastes be bulked into liquid drums (flammable liquids) and sludge or solids drums (flammable solids) for disposal. Empty paint skulls will then be disposed of as debris at the local landfill or at a metal recycling business. We estimate that there approximately 9 drums of flammable liquids to be disposed of and another 5 drums of flammable solids. Note that at the northwest corner of the main shop building there is a six foot diameter by four foot deep tank with approximately 3.5 inches of paint waste (spent xylene bottoms?).

3) Removal of product (diesel and gasoline) in the two ASTs located at the eastern side of the property.

Both tanks appeared to be empty. (If residual diesel is present we will provide disposal through an EPA permitted contractor at nominal cost. If residual gasoline is found it will be handled as flammable liquid - unleaded gasoline.)

4) Removal of any / all drums that are open but still contain product (e.g. anti-freeze, motor oils, hydraulic oils, hydraulic fluids).

Most of the open drums containing useable product were located in the shop located at the southeast corner of the property. We are assuming that five gallon buckets of suspect oil would drummed for disposal as burner fuel. The half of the drums may be useable product that we could transfer to others for use. Non-typical hydraulic oils would be bulked out as burner fuel.

5) Removal of any wastes that your company identifies as being regulated or hazardous during your site visit.

There are at least five drums of garbage that should be sorted to insure that hazardous materials are not in the drums. Garbage left after inspecting the drums would be bagged and delivered to the local landfill.

We anticipate generating one drum of aerosol cans which varying amounts of product in each. We also anticipate generating two or three drums of one gallon paint cans containing varying amounts of product. Both of these waste streams would be shipped as flammable liquids.

Several locations were noted that should have soil analysis conducted. They are noted as follows with recommended analysis:

Wash rack "Hilltop Gang" area: Oil & Gas E & P related waste, Exempt
Cutting & Burning area "Hilltop Gang Area; RCRA 8 Metals
Oil Staining near office and spots around yard; Composite RCRA 8 Metals, BTEX (USEPA Method 8021), TPH (USEPA Method 8015), and RCI
Outside Paint Shop, high pad, composite - RCRA 8 Metals, BTEX (USEPA 8021), RCI
Outside Paint Shop, low pad, composite - RCRA 8 Metals, BTEX (USEPA 8021), RCI
Shop Floors; Should be swept and dirt analyzed - RCRA 8 Metals
Floor Sumps
- Main Shop West (Assembly & Rigout Shops) - RCRA 8 Metals, BTEX (USEPA 8021), RCI
- Main Shop East (Code Shop) - RCRA 8 Metals
- Small Shop SE (Hydro test Shop) - TCLP w/o Herbs & Pests

Inventory of containers and contaminants found by area:

"Hilltop Gang" Area - Skid & Tank Shop

1) Oily Dirt/parts in floor grade and on pad at wash pad
   a) 9 - 55 gallon drums
   b) 2 cubic yards bulk soil in trough and on pad
2) 1 - 55 gallon hose clamps
3) 1 - 5 gallon hose clamps at north fence
4) Oily dirt/parts north fence
   a) 5 - 55 gallon drums
   b) 1 - 55 gallon drum metal parts
5) 4.5' x 6' open tank
   a) 2 - 55 gallon drums (estimated) spent xylene bottoms
6) 15 gallon - cutting oils in various containers (5 gal bucket, coffee cans, and Band saw)
7) 28 - 5 gallon paint buckets; Should bulk to:
   a) 2 - 55 gallon flammable liquids
   b) 2 - 55 gallon flammable solids
8) 11' x 14' - Wash water tank; Volume unknown (Exempt Wash Water)
9) 1 - 55 gallon drum - empty
10) +/- 10 aerosol and gallon or less misc. products

Main Shop West (Assembly area, Sub-assemblies area, & Rig Out Shop)

1) 2 - 5 gallon cutting oil
2) 1 - 55 gallon garbage
3) 10 - 5 gallon flammable paints, reduce to;
   a) 1 - 55 gallon paint waste (flammable liquid)
4) Floor sump full of water, unknown dimensions, expect water and sludge debris
5) 180 bbl Hydrostatic test water tank (exempt - dispose at injection facility)

Gantry area between east and west shop

1) 2 - 55 gallon garbage

Main Shop East (Code Shop)

1) 1 - 55 gallon garbage
2) Floor sump, 3' diameter unknown depth, expect water and sludge.
3) 1 - 55 gallon closed top steel; empty, SW corner of building, outside
4) 4 - 55 gallon drums (poly); spent antifreeze (?), SW corner outside, (RCRA 8 Metals analysis on sludge and RCRA 8 Metals analysis on liquid phase. (Sampling could be conducted as composite of all drums or by phase for each drum).

5) 1 - 55 gallon specialty Hydraulic Oil
6) 1000 gallon Used Oil Tank - Empty; rainwater in secondary containment
7) 170 barrel tank - hydrostatic test water (exempt - dispose at injection facility)

Hydro Shop (southeast building)

1) 5 - 55 gallon open drums on cradle oils of various grades
2) 2 - 30 gallon grease
3) 1 - 30 gallon (estimated) aerosols (Flam Liq)
4) 6 - 55 gallon empties
5) 14 - 5 gallon oils? Bulk to:
   a) 2 - 55 gallon oils

Paint area - High pad and low pad east of Code and Hydrotest shops

1) 7 - 55 gallon drums paint waste; Reduce to
   a) 2 - 55 gallon drums Flam Liq
2) 2 - 55 gallon paint pot drains; Flammable solids
3) 22 - 5 gallon combustible paints; reduce to:
   a) 2 - 55 gallon drums Flam Liq

4) Paint shed; Reduce all the following to 1- 55 gallon Flam Liq
   a) 6 - 5 gallon flammable liquids
   b) 8 - 1 gallon flammable liquids
   c) 10 - 1 gallon water reducible epoxy primers

5) 1 - 55 gallon drum paint contaminated soil; flam solid
6) 2 - 55 gallon xylene bottoms; 1- flam liq & 1- flam solid

Storage Yard North

1) 1 - 55 gallon garbage at parking area
2) 9 - 55 gallon drums oily soil
3) 5 - 55 gallon spent xylene bottoms
4) 18 - 5 gallon paint waste; reduce to:
   a) 1 - 55 gallon flam solid
5) 4 - 5 gallon paint; reduce to; (may be good product; overnight temperatures have been to 15°F
   a) 1 - 55 gallon flam liq
6) 1 - 1000 gallon used oil tank empty
7) 1 - 250 gallon AST - empty

Note that there are several hundred pounds of welding rod, steel welding wire, and copper welding wire not addressed in this proposal.

We suspect that several areas of soil staining are related to operation of an old hyster forklift (hydraulic oil leaks). Since we are not positive of the source we recommend sampling the stained areas under a single composite sample for analysis for BTEX constituents (USEPA 8021), TPH constituents (USEPA 8015), RCRA 8 Metals, and RCRA RCI. If metals are not found and the samples pass RCRA RCI analysis, the soil could be excavated at stained locations and sent to Envirotech's Soil Remediation Facility, Landfarm #2 for remediation of petroleum hydrocarbon contaminants. This facility is permitted through the New Mexico Oil Conservation Division to handle petroleum hydrocarbon contaminated soil from oil and gas production companies and oilfield service companies (InFab is listed as an oilfield service company).

Stained soil was also noted at the wash rack on the Hilltop Gang location. In addition to drums, there are approximately two cubic yards that will need to be shoveled out of the drain trench that crosses the wash pad. These wastes are exempt per the NMOCD Field Inspector familiar with the site . The waste stream can go to Landfarm #2 for remediation.

Water stored in the two hydro test tanks is exempt and can be disposed of locally at a water injection facility. Water from the wash rack is probably exempt waste, generated during washing oilfield exempt equipment such as separators, dehydrators, production tanks, and other oil and natural gas production equipment.

Costs associated with cleanup of the this site are as follows:

Labor (bulk paint wastes; crush paint cans and non-DOT drums)	$3,200.00
Tyvek	$ 240.00
Drums (24 - DOT 1A2 open head shipping Drums)	$.1,176.00 . . .
Backhoe	$2,400.00
Soil acceptance fees (remediation of 40 cy)	$ 720.00
Soil acceptance fees (remediation of 18 drums oily soil)	$ 324.00
Soil Transport	$ 420.00
Oil disposal (5 drums)	$ 250.00
Trash disposal (barreled debris only)	$ 50.00
Flammable Liquids (17 -55 gallon)	$3,315.00
Flammable Solids (6 - 55 gallon)	$2,730.00
Overpack - aerosols (1- 55 gallon)	$ 455.00
Overpack - gallon cans (1- 55 gallon)	$ 455.00
Hazardous Materials - Transport (assumes shared transport)	$ 350.00
Hazardous Material - Labor (load for transport)	$ 280.00
Laboratory Analysis	
USEPA 8021 - BTEX (5)	$ 440.00
USEPA 8015 - TPH (5)	$ 400.00
RCRA 8 Metals (4)	$ 460.00
RCRA RCI (4)	$ 60.00
TCLP w/o Herbs & Pests	$ 995.00
Environmental Scientist - Sampling oily soil and paint pads	$ 120.00
Environmental Scientist - Project Management (field & report)	$1,200.00
Exempt Water Disposal - (590 bbl, assumes all 3 tanks are full, no oil)	$1,500.00
Exempt Water Transport - 8 loads	$1,560.00
Total	$22,800.00

We have attempted to slightly over estimate volumes for hazardous waste disposal and for disposal of exempt water stored on-site. If we have succeeded there will be a credit on the proposed price for drums or water not shipped (billing will be for actual amounts of material shipped).

If you find this proposal acceptable we will need to profile the waste stream prior to shipment and complete the necessary paperwork for the generator. The size of this shipment will require at least Small Quantity Generator Status (10 day Waste). **We will need to get the generator's EPA ID#, contact person, contact phone number, return address for the Uniform Hazardous Waste Manifest** and/or authorization to sign as the generator's agent if they are not available to sign the manifests. Document preparation will require ten days advance notice to allow scheduling to meet ten day requirements for disposal.

As mentioned in our phone conversation on November 9, 2000, there is or should be a Closure Plan for this facility with the New Mexico Oil Conservation Division. We attempted to contact the project manager for this site today but he is out of the office until Monday. We strongly recommend that the workplan for cleanup of this property be coordinated with the NMOCD to insure their approval of exit activities by the current owner.

The costs quoted here do not include any applicable taxes. Terms of payment are net thirty days with 1.5% monthly interest on the outstanding balance. To accept this proposal please provide a purchase order or sign where indicated below and return a copy to our office by fax.

The work conducted under this proposal includes a letter report documenting cleanup efforts at the site and copies of all Bills of Lading and Shipping manifests for materials removed from the site. The scope of work does not include steam cleaning any equipment, concrete or other permanent infrastructure.

In the event that an environmental issue is found during the coarse of completing this work that has not yet been addressed in this proposal, we will contact your office immediately for direction and / or approval to proceed with work beyond that which is herein described.

If you have further questions or comments regarding this proposal please feel free to contact our office at 505-632-0615.

P.O. # 011562

Sincerely,
Envirotech Inc.

Acceptance:

John C. Gale
Signature

Sr. V.P. 1-15-01
Title Date

Harlan M. Brown
Geologist / Hydrogeologist
New Mexico Certified Scientist #083

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Oily Soil	Date Reported:	02-26-01
Lab ID#:	19234	Date Sampled:	02-22-01
Sample Matrix:	Soil	Date Received:	02-22-01
Preservative:	Cool	Date Analyzed:	02-23-01
Condition:	Cool and Intact	Chain of Custody:	8514

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 7.07**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

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

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

Comments: **INFAB Yard 13 drum composite.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Oily Soil	Date Reported:	02-26-01
Laboratory Number:	19234	Date Sampled:	02-22-01
Chain of Custody:	8514	Date Received:	02-22-01
Sample Matrix:	Soil	Date Analyzed:	02-26-01
Preservative:	Cool	Date Digested:	02-26-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.002**	**5.0**
Barium	**ND**	**0.002**	**100**
Cadmium	**ND**	**0.002**	**1.0**
Chromium	**ND**	**0.002**	**5.0**
Lead	**ND**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**ND**	**0.002**	**1.0**
Silver	**ND**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB Yard 13 drum composite.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-26-TM QA/QC	Date Reported:	02-26-01
Laboratory Number:	19234	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	02-26-01
Condition:	N/A	Date Digested:	02-26-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Cadmium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.002	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	1.00	ND	0.996	99.6%	80% - 120%
Barium	1.00	ND	0.996	99.6%	80% - 120%
Cadmium	1.00	ND	0.998	99.8%	80% - 120%
Chromium	1.00	ND	0.994	99.4%	80% - 120%
Lead	1.00	ND	0.996	99.6%	80% - 120%
Mercury	0.100	ND	0.098	98.0%	80% - 120%
Selenium	1.00	ND	0.994	99.4%	80% - 120%
Silver	1.00	ND	0.998	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for sample 19234.**

Analyst

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CHAIN OF CUSTODY RECORD

08514

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Federated Environmental	Inlab Yard.	

Sampler:	Client No.
Harlan M. Brown	01007-001

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA RCH	TCLP Metals					Remarks
OilySoil	2.22.01	9:10	19234	Soil	1	✓	✓					13 drum Composite.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	2.22.01	11:10	Glen L. Ofenn	2.22.01	11:10
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Farmington, New Mexico 87401
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Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hilltop Stains	Date Reported:	03-01-01
Lab ID#:	19315	Date Sampled:	02-27-01
Sample Matrix:	Soil	Date Received:	02-27-01
Preservative:	Cool	Date Analyzed:	02-28-01
Condition:	Cool and Intact	Chain of Custody:	8529

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 6.67**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

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

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

Comments: **INFAB.**

Christine M Waeten
Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Anti-Freeze Drums	Date Reported:	03-01-01
Laboratory Number:	19310	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.030**	**0.001**	**5.0**
Barium	**0.139**	**0.001**	**100**
Cadmium	**0.038**	**0.001**	**1.0**
Chromium	**0.017**	**0.001**	**5.0**
Lead	**0.266**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.012**	**0.001**	**1.0**
Silver	**0.031**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Code Shop Sump	Date Reported:	03-01-01
Laboratory Number:	19311	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.001**	**5.0**
Barium	**0.012**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**ND**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Main Shop Sump	Date Reported:	03-01-01
Laboratory Number:	19312	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.003**	**0.001**	**5.0**
Barium	**0.011**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**ND**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Upper Paint Area	Date Reported:	03-01-01
Laboratory Number:	19313	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Soil	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	**0.136**	**0.002**	**5.0**
Barium	**3.68**	**0.002**	**100**
Cadmium	**0.108**	**0.002**	**1.0**
Chromium	**0.072**	**0.002**	**5.0**
Lead	**0.816**	**0.002**	**5.0**
Mercury	**0.014**	**0.002**	**0.2**
Selenium	**0.058**	**0.002**	**1.0**
Silver	**0.052**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Lower Paint Area	Date Reported:	03-01-01
Laboratory Number:	19314	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Soil	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	**0.264**	**0.002**	**5.0**
Barium	**4.58**	**0.002**	**100**
Cadmium	**0.238**	**0.002**	**1.0**
Chromium	**0.374**	**0.002**	**5.0**
Lead	**ND**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**0.114**	**0.002**	**1.0**
Silver	**0.062**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Hilltop Stains	Date Reported:	03-01-01
Laboratory Number:	19315	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Soil	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	**0.660**	**0.002**	**5.0**
Barium	**3.94**	**0.002**	**100**
Cadmium	**0.624**	**0.002**	**1.0**
Chromium	**1.64**	**0.002**	**5.0**
Lead	**8.46**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**0.428**	**0.002**	**1.0**
Silver	**0.124**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-01-TM QA/QC	Date Reported:	03-01-01
Laboratory Number:	19310	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	03-01-01
Condition:	N/A	Date Digested:	03-01-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	**ND**	**ND**	**0.001**	**0.030**	**0.030**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**0.139**	**0.137**	**1.4%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**0.038**	**0.039**	**2.6%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**0.017**	**0.017**	**0.0%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**0.266**	**0.264**	**0.8%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**0.012**	**0.012**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**0.031**	**0.030**	**3.2%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.500**	**0.030**	**0.529**	**99.8%**	**80% - 120%**
Barium	**0.500**	**0.139**	**0.637**	**99.7%**	**80% - 120%**
Cadmium	**0.500**	**0.038**	**0.538**	**100.0%**	**80% - 120%**
Chromium	**0.500**	**0.017**	**0.516**	**99.8%**	**80% - 120%**
Lead	**0.500**	**0.266**	**0.763**	**99.6%**	**80% - 120%**
Mercury	**0.050**	**ND**	**0.049**	**98.0%**	**80% - 120%**
Selenium	**0.500**	**0.012**	**0.511**	**99.8%**	**80% - 120%**
Silver	**0.500**	**0.031**	**0.530**	**99.8%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 19310 - 19315.**

Analyst

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CHAIN OF CUSTODY RECORD

08529

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
FEDERATED ENVIRONMENTAL	INFAB	
Sampler: HARLAN M. BROWN	Client No. 01007-001 ~~98065~~	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA 8 Metals	RCRA RGT					Remarks
ANTI-FREEZE Drums	2-27-01	9:55	19310	Liquid	1	✓						
Codes Hop Sump	2-27	10:00	19311	Liquid	1	✓						
Main Shop Sump	2-27	10:05	19312	Liquid	1	✓						
Upper Paint Area	2-27	10:25	19313	Soil	1	✓						
Lower Paint Area	2-27	10:30	19314	Soil	1	✓						
Hill top Stains	2-27	10:40	19315	Soil	1	✓	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	2-27-01	10:53	Glenn L. Aplucan	2-27-01	10:53
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-01-01
Lab ID#:	19317	Date Sampled:	02-27-01
Sample Matrix:	Liquid	Date Received:	02-27-01
Preservative:	Cool	Date Analyzed:	02-28-01
Condition:	Cool and Intact	Chain of Custody:	8530

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 6.69**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

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

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

Comments: **INFAB.**

Christine M Walters
Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-02-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	03-02-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.212	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0216	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	0.0030	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **INFAB.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-12-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-12-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

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

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

Comments: **INFAB.**

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-12-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-12-01
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	**ND**	**0.020**	**5.0**
Hexachloroethane	**1.22**	**0.020**	**3.0**
Nitrobenzene	**ND**	**0.020**	**2.0**
Hexachlorobutadiene	**ND**	**0.020**	**0.5**
2,4-Dinitrotoluene	**0.040**	**0.020**	**0.13**
HexachloroBenzene	**ND**	**0.020**	**0.13**

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-01-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Extracted:	NA
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.019**	**0.001**	**5.0**
Barium	**0.431**	**0.001**	**100**
Cadmium	**0.018**	**0.001**	**1.0**
Chromium	**0.008**	**0.001**	**5.0**
Lead	**0.446**	**0.001**	**5.0**
Mercury	**0.009**	**0.001**	**0.2**
Selenium	**0.004**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

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

Comments: **INFAB.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-02-01
Laboratory Number:	03-02-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-02-01
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-02-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	03-02-01
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.017	0.017	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.036	0.036	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	03-02-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	03-02-01
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0172	0.050	0.0662	0.0001	99%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0490	0.0001	98%	43-143
Benzene	0.0361	0.050	0.0856	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-12-01
Laboratory Number:	03-12-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-12-01
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	99 %

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

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-12-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	03-12-01
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	**0.123**	**0.122**	**0.020**	**1.0%**
p,m-Cresol	**0.130**	**0.128**	**0.040**	**2.0%**
2,4,6-Trichlorophenol	**ND**	**ND**	**0.020**	**0.0%**
2,4,5-Trichlorophenol	**ND**	**ND**	**0.020**	**0.0%**
Pentachlorophenol	**ND**	**ND**	**0.020**	**0.0%**

ND - Parameter not detected at the stated detection limit.

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

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

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-12-01
Laboratory Number:	03-12-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	03-12-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-12-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	03-12-01
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	**0.061**	**0.061**	**0.0%**	**0.020**
Hexachloroethane	**0.051**	**0.050**	**1.0%**	**0.020**
Nitrobenzene	**0.054**	**0.054**	**0.0%**	**0.020**
Hexachlorobutadiene	**0.184**	**0.182**	**1.1%**	**0.020**
2,4-Dinitrotoluene	**0.030**	**0.030**	**0.0%**	**0.020**
HexachloroBenzene	**0.086**	**0.085**	**1.8%**	**0.020**

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	03-01-TCM QA/QC	Date Reported:	03-01-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	03-01-01
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% 0.105	Acceptance 0.107
Arsenic	**ND**	**ND**	**0.001**	**0.012**	**0.012**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**0.050**	**0.049**	**2.0%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**0.001**	**0.001**	**0.0%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**0.003**	**0.003**	**0.0%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**0.013**	**0.013**	**0.0%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**0.002**	**0.002**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**0.006**	**0.006**	**0.0%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.500**	**0.012**	**0.512**	**100.0%**	**80% - 120%**
Barium	**0.500**	**0.050**	**0.548**	**99.6%**	**80% - 120%**
Cadmium	**0.500**	**0.001**	**0.500**	**99.8%**	**80% - 120%**
Chromium	**0.500**	**0.003**	**0.503**	**100.0%**	**80% - 120%**
Lead	**0.500**	**0.013**	**0.512**	**99.8%**	**80% - 120%**
Mercury	**0.050**	**ND**	**0.049**	**98.0%**	**80% - 120%**
Selenium	**0.500**	**0.002**	**0.502**	**100.0%**	**80% - 120%**
Silver	**0.500**	**0.006**	**0.505**	**99.8%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

CHAIN OF CUSTODY RECORD

08530

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
FEDERATED Environmental	IN FAB	
Sampler: HARLAN M. BROWN	**Client No.** 01007-001	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/o H&A						Remarks
Hydro Shop Sump	02.27.01	11:05	19317	Liquid	5	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	02.27	11:15	[signature]	2/27/01	11:15
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: [X] Non-Exempt: [ ]
   Verbal Approval Received: Yes [ ] No [X]
2. Management Facility Destination: KEY DISPOSAL
3. Address of Facility Operator: #345 CR 3500 AZTEC NM
4. Generator: Federated ENVIRONMENTAL Services
5. Originating Site: TANK YARD
6. Transporter: Key
8. State: NM
7. Location of Material (Street Address or ULSTR): 5928 US HWY 64 FARMINGTON, 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 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:

Water from washing EXempt field production equipment.

MAR 2001

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

SIGNATURE: Michael Talovich TITLE: MGR DATE: 3-27-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: MICHAEL TALOVICH TELEPHONE NO. 505-334-6186

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 3/27/01

APPROVED BY: [illegible] TITLE: geologist DATE: 3/27/1

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-617

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Federated Environmental Services Bedford Square, 1314 Bedford Ave. Baltimore, Maryland 21208	Key Energy Services, Disposal Facility. #345 County Road 3500 Aztec, NM 87410
3. Originating Site (name): Location of the Waste (Street address &/or ULSTR): Infab 5928 US Hwy 64 Farmington, New Mexico Attach list of originating sites as appropriate	
4. Source and Description of Waste Water from washing exempt field production equipment (Tank @ wash pad - Hill Top Gang Area). < 240 bbls	

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

X EXEMPT oilfield waste

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

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

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

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

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Harlan M Brown

Title: Geologist - Proj. Manager

Date: 3-26-01

1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Federated Environmental Service
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site INFAB YARD
2. Management Facility Destination Key Disposal	6. Transporter Key
3. Address of Facility Operator #345 CR 3500, Aztec, NM	8. State NM
7. Location of Material (Street Address or ULSTR) 5928 US Hwy 64 Farmington, NM 87401	

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Water from Hydrotest tanks, Code Shop Floor sump, Main Shop floor sump, and Drums labled Antifreeze

APR 2001

Estimated Volume 2 1000bbls cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE _____ TITLE: MOR DATE: 3-27-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: MICHAEL TAFOVICH TELEPHONE NO. 505-334-6186

(This space for State Use)

APPROVED BY: _____ TITLE: Geologist DATE: 3/27/01

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 4-3-01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-61

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Federated Environmental Services Bedford Square, 1314 Bedford Ave Baltimore, Maryland 21208	Key Energy Services - Disposal Facility #345 County Rd 3500 Aztec, NM. 87410
3. Originating Site (name): INFAB 5928 US Hwy 64 Farmington, NM 87401 Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste Water from Hydrostatic Test Tanks, Code Shop Floor Sump, Main Shop Floor sump, and drums Labeled Anti-Freeze.	

I, Harland M. Brown representative for:
(Print Name)

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

___ **EXEMPT** oilfield waste

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

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

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

___ MSDS Information
X RCRA Hazardous Waste Analysis (Total Metals)
X Chain of Custody
___ Other (description):

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Harland M Brown

Title: Geologist - Project Manager

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Anti-Freeze Drums	Date Reported:	03-01-01
Laboratory Number:	19310	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.030**	**0.001**	**5.0**
Barium	**0.139**	**0.001**	**100**
Cadmium	**0.038**	**0.001**	**1.0**
Chromium	**0.017**	**0.001**	**5.0**
Lead	**0.266**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.012**	**0.001**	**1.0**
Silver	**0.031**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Code Shop Sump	Date Reported:	03-01-01
Laboratory Number:	19311	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.001**	**5.0**
Barium	**0.012**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**ND**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Main Shop Sump	Date Reported:	03-01-01
Laboratory Number:	19312	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.003**	**0.001**	**5.0**
Barium	**0.011**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**ND**	**0.001**	**5.0**
Lead	**ND**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**ND**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-01-TM QA/QC	Date Reported:	03-01-01
Laboratory Number:	19310	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	03-01-01
Condition:	N/A	Date Digested:	03-01-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.030	0.030	0.0%	0% - 30%
Barium	ND	ND	0.001	0.139	0.137	1.4%	0% - 30%
Cadmium	ND	ND	0.001	0.038	0.039	2.6%	0% - 30%
Chromium	ND	ND	0.001	0.017	0.017	0.0%	0% - 30%
Lead	ND	ND	0.001	0.266	0.264	0.8%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.012	0.012	0.0%	0% - 30%
Silver	ND	ND	0.001	0.031	0.030	3.2%	0% - 30%

Spike Conc. (mg/L)	Spiked Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.030	0.529	99.8%	80% - 120%
Barium	0.500	0.139	0.637	99.7%	80% - 120%
Cadmium	0.500	0.038	0.538	100.0%	80% - 120%
Chromium	0.500	0.017	0.516	99.8%	80% - 120%
Lead	0.500	0.266	0.763	99.6%	80% - 120%
Mercury	0.050	ND	0.049	98.0%	80% - 120%
Selenium	0.500	0.012	0.511	99.8%	80% - 120%
Silver	0.500	0.031	0.530	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 19310 - 19315.**

Analyst

Review

CHAIN OF CUSTODY RECORD 08529

ent / Project Name	Project Location	ANALYSIS / PARAMETERS
EDERATED ENVIRONMENTAL	INFAB	
mpler: HARLAN M. BROWN	Client No. 01007-001 ~~98065~~	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA 8 Metals	RCRA RCT					Remarks
NT. FREEZE Drums	2.27.01	9:55	19310	Liquid	1	✓						
odeSHOP Sump	2.27	10:00	19311	Liquid	1	✓						
AIN SHOP Sump	2.27	10:05	19312	Liquid	1	✓						
pper Paint Area	2.27	10:25	19313	Soil	1	✓						
wer Paint Area	2.27	10:30	19314	Soil	1	✓						
till top Stains	2.27	10:40	19315	Soil	1	✓	✓					

elinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	2.27.01	10:53	Glenn L. Duncan	2.27.01	10:53
elinquished by: (Signature)			Received by: (Signature)		
elinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Federated Environmental Services
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site In Frb YARD
2. Management Facility Destination KEY Disposal	6. Transporter Key
3. Address of Facility Operator #345 cr 3500 Aztec NM	8. State NM
7. Location of Material (Street Address or ULSTR) 5928 US Hwy 64 Farmington, NM 87401	

9. Circle One:

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

B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is 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:

Water from Hydro shop Sump

MAR

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

SIGNATURE [signature] TITLE: MOR DATE: 3-27-01
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: MICHAEL TALOVICH TELEPHONE NO. 505-334-6186

(This space for State Use)

APPROVED BY: [signature] TITLE: Geologist DATE: 3/27/01

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 4-3-01

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-617(

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Federated Environmental Services Bedford Square, 1314 Bedford Ave. Baltimore, Maryland 21208	Key Energy Services – Disposal Facility #345 County Rd 3500 Aztec, NM 87410
3. Originating Site (name): Location of the Waste (Street address &/or ULSTR):	
Infab 5928 US Hwy 64 Farmington, NM 87410 Attach list of originating sites as appropriate	
4. Source and Description of Waste Water from Hydro Stop Sump < 20 bbls	

I, Harland M. Brown (Print Name) representative for: Federated Environmental Services / Infab 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 product identification

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

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

___ MSDS Information
X RCRA Hazardous Waste Analysis TCLP w/o H&P
X Chain of Custody
___ Other (description):

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Harland M. Brown

Title: Geologist / Project Manager

Date: 3-26-01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-01-01
Lab ID#:	19317	Date Sampled:	02-27-01
Sample Matrix:	Liquid	Date Received:	02-27-01
Preservative:	Cool	Date Analyzed:	02-28-01
Condition:	Cool and Intact	Chain of Custody:	8530

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 6.69**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

Parameter	Hazardous Waste Criterion
IGNITABILITY:	Characteristic of Ignitability as defined by 40 CFR, Subpart C, Sec. 261.21. *(i.e. Sample ignition upon direct contact with flame or flash point < 60° C.)*
CORROSIVITY:	Characteristic of Corrosivity as defined by 40 CFR, Subpart C, Sec. 261.22. *(i.e. pH less than or equal to 2.0 or pH greater than or equal to 12.5)*
REACTIVITY:	Characteristic of Reactivity as defined by 40 CFR, Subpart C, Sec. 261.23. *(i.e. Violent reaction with water, strong base, strong acid, or the generation of Sulfide or Cyanide gases at STP with pH between 2.0 and 12.5)*
Reference:	40 CFR part 261 Subpart C sections 261.21 - 261.23, July 1, 1992.
Comments:	**INFAB.**

Christine M Walters
Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHODS 8010/8020
AROMATIC / HALOGENATED
VOLATILE ORGANICS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-02-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Extracted:	NA
Preservative:	Cool	Date Analyzed:	03-02-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Detection Limit (mg/L)	Regulatory Limits (mg/L)
Vinyl Chloride	ND	0.0001	0.2
1,1-Dichloroethene	ND	0.0001	0.7
2-Butanone (MEK)	0.212	0.0001	200
Chloroform	ND	0.0001	6.0
Carbon Tetrachloride	ND	0.0001	0.5
Benzene	0.0216	0.0001	0.5
1,2-Dichloroethane	ND	0.0001	0.5
Trichloroethene	ND	0.0003	0.5
Tetrachloroethene	0.0030	0.0005	0.7
Chlorobenzene	ND	0.0003	100
1,4-Dichlorobenzene	ND	0.0002	7.5

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-12-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-12-01
Condition:	Cool & Intact	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

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

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-12-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Extracted:	N/A
Preservative:	Cool	Date Analyzed:	03-12-01
Condition:	Cool and Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Limit (mg/L)
Pyridine	**ND**	**0.020**	**5.0**
Hexachloroethane	**1.22**	**0.020**	**3.0**
Nitrobenzene	**ND**	**0.020**	**2.0**
Hexachlorobutadiene	***ND***	***0.020***	***0.5***
2,4-Dinitrotoluene	**0.040**	**0.020**	**0.13**
HexachloroBenzene	**ND**	**0.020**	**0.13**

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 1311
TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hydro Shop Sump	Date Reported:	03-01-01
Laboratory Number:	19317	Date Sampled:	02-27-01
Chain of Custody:	8530	Date Received:	02-27-01
Sample Matrix:	Liquid	Date Analyzed:	03-01-01
Preservative:	Cool	Date Extracted:	NA
Condition:	Cool & Intact	Analysis Needed:	TCLP metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**0.019**	**0.001**	**5.0**
Barium	**0.431**	**0.001**	**100**
Cadmium	**0.018**	**0.001**	**1.0**
Chromium	**0.008**	**0.001**	**5.0**
Lead	**0.446**	**0.001**	**5.0**
Mercury	**0.009**	**0.001**	**0.2**
Selenium	**0.004**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL

DOCUMENTATION

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-02-01
Laboratory Number:	03-02-TCV	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-02-01
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-02-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	03-02-01
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Duplicate Sample Result (mg/L)	Detection Limits (mg/L)	Percent Difference
Vinyl Chloride	ND	ND	0.0001	0.0%
1,1-Dichloroethene	ND	ND	0.0001	0.0%
2-Butanone (MEK)	0.017	0.017	0.0001	0.0%
Chloroform	ND	ND	0.0001	0.0%
Carbon Tetrachloride	ND	ND	0.0001	0.0%
Benzene	0.036	0.036	0.0001	0.0%
1,2-Dichloroethane	ND	ND	0.0001	0.0%
Trichloroethene	ND	ND	0.0003	0.0%
Tetrachloroethene	ND	ND	0.0005	0.0%
Chlorobenzene	ND	ND	0.0003	0.0%
1,4-Dichlorobenzene	ND	ND	0.0002	0.0%

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	03-02-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP	Date Analyzed:	03-02-01
Condition:	N/A	Date Extracted:	N/A

Parameter	Sample Result (mg/L)	Spike Added (mg/L)	Spiked Sample Result (mg/L)	Det. Limit (mg/L)	Percent Recovery	SW-846 % Rec. Accept. Range
Vinyl Chloride	ND	0.050	0.0495	0.0001	99%	28-163
1,1-Dichloroethene	ND	0.050	0.0494	0.0001	99%	43-143
2-Butanone (MEK)	0.0172	0.050	0.0662	0.0001	99%	47-132
Chloroform	ND	0.050	0.0500	0.0001	100%	49-133
Carbon Tetrachloride	ND	0.050	0.0490	0.0001	98%	43-143
Benzene	0.0361	0.050	0.0856	0.0001	99%	39-150
1,2-Dichloroethane	ND	0.050	0.0490	0.0001	98%	51-147
Trichloroethene	ND	0.050	0.0495	0.0003	99%	35-146
Tetrachloroethene	ND	0.050	0.0495	0.0005	99%	26-162
Chlorobenzene	ND	0.050	0.0495	0.0003	99%	38-150
1,4-Dichlorobenzene	ND	0.050	0.0495	0.0002	99%	42-143

ND - Parameter not detected at the stated detection limit.

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report
Laboratory Blank

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-12-01
Laboratory Number:	03-12-TCA	Date Sampled:	N/A
Sample Matrix:	2-Propanol	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-12-01
Condition:	N/A	Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-fluorophenol	98 %
	2,4,6-tribromophenol	99 %

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

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8040
PHENOLS
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-12-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Extracted:	N/A
Condition:	Cool & Intact	Date Analyzed:	03-12-01
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Detection Limit (mg/L)	Percent Difference
o-Cresol	0.123	0.122	0.020	1.0%
p,m-Cresol	0.130	0.128	0.040	2.0%
2,4,6-Trichlorophenol	ND	ND	0.020	0.0%
2,4,5-Trichlorophenol	ND	ND	0.020	0.0%
Pentachlorophenol	ND	ND	0.020	0.0%

ND - Parameter not detected at the stated detection limit.

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

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

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	03-12-01
Laboratory Number:	03-12-TBN	Date Sampled:	N/A
Sample Matrix:	Hexane	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	03-12-01
		Analysis Requested:	TCLP

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

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	03-12-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Extracted:	N/A
Condition:	N/A	Date Analyzed:	03-12-01
		Analysis Requested:	TCLP

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	Percent Difference	Det. Limit (mg/L)
Pyridine	**0.061**	**0.061**	**0.0%**	**0.020**
Hexachloroethane	**0.051**	**0.050**	**1.0%**	**0.020**
Nitrobenzene	**0.054**	**0.054**	**0.0%**	**0.020**
Hexachlorobutadiene	**0.184**	**0.182**	**1.1%**	**0.020**
2,4-Dinitrotoluene	**0.030**	**0.030**	**0.0%**	**0.020**
HexachloroBenzene	**0.086**	**0.085**	**1.8%**	**0.020**

ND - Parameter not detected at the stated detection limit.

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

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

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

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

Client:	QA/QC	Project #:	N/A
Sample ID:	03-01-TCM QA/QC	Date Reported:	03-01-01
Laboratory Number:	19316	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	03-01-01
Condition:	N/A	Date Extracted:	N/A

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% 0.105	Acceptance 0.107
Arsenic	**ND**	**ND**	**0.001**	**0.012**	**0.012**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**0.050**	**0.049**	**2.0%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**0.001**	**0.001**	**0.0%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**0.003**	**0.003**	**0.0%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**0.013**	**0.013**	**0.0%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**0.002**	**0.002**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**0.006**	**0.006**	**0.0%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.500**	**0.012**	**0.512**	**100.0%**	**80% - 120%**
Barium	**0.500**	**0.050**	**0.548**	**99.6%**	**80% - 120%**
Cadmium	**0.500**	**0.001**	**0.500**	**99.8%**	**80% - 120%**
Chromium	**0.500**	**0.003**	**0.503**	**100.0%**	**80% - 120%**
Lead	**0.500**	**0.013**	**0.512**	**99.8%**	**80% - 120%**
Mercury	**0.050**	**ND**	**0.049**	**98.0%**	**80% - 120%**
Selenium	**0.500**	**0.002**	**0.502**	**100.0%**	**80% - 120%**
Silver	**0.500**	**0.006**	**0.505**	**99.8%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

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

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

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 19316 - 19318.**

Analyst

Review

CHAIN OF CUSTODY RECORD 08530

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Federated Environmental	In FAB	
Sampler: Harlan M. Brown	Client No. 01007-001	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TCLP w/o H&P						Remarks
Hydro Shop Sump	02.27.01	11:05	19317	Liquid	5	✓						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	02.27	11:15	Allen L. Ephraim	2/27/01	11:15
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

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

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division

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

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District Of

APR 2001 RECEIVED OIL CON. DIV. DIST. 3

Env. JN: 01007-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Federated Env.
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site INFAB
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5928 US Hwy 64 Farmington, NM 87401

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Oily dirt from cutting & Burning area, Hill Top Gas Area.

RCRA RCI
Total Metals Attached

MAR 2001 RECEIVED OIL CON. DIV. DIST. 3

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

SIGNATURE: Harlan M Brown Waste Management Facility Authorized Agent TITLE: Landfarm Manager DATE: 3.26.01

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

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 3/27/01

APPROVED BY: Mahmood Ziai TITLE: Environmental Geologist DATE: 4-3-01

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

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Env. JN: 01007-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Federated Env.
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site INFAB
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5928 US Hwy 64 Farmington, NM 87401

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Oily dirt from cutting & Burning area, Hill Top Gas Area.

RCRA RCI
Total Metals Attached

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

SIGNATURE: Harlan M Brown (Waste Management Facility Authorized Agent) TITLE: Landfarm Manager DATE: 3.26.01

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

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-617

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Federated Environmental Services Bedford Square, 1314 Bedford Ave. Baltimore, Maryland 21208	Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico
3. Originating Site (name): InFab 5928 US Hwy 64 Farmington NM 87401 *Attach list of originating sites as appropriate*	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Oily Soil @ Cutting & Burning area, Hilltop Gang Area.	

I, Harlan M. Brown (Print Name) representative for: Federated Environmental / InFAB 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 product identification

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

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

___ MSDS Information
X RCRA Hazardous Waste Analysis RCRA RCI - Total Metals
X Chain of Custody
___ Other (description):

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Harlan M Brown

Title: Geologist / Project Manager

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Hilltop Stains	Date Reported:	03-01-01
Lab ID#:	19315	Date Sampled:	02-27-01
Sample Matrix:	Soil	Date Received:	02-27-01
Preservative:	Cool	Date Analyzed:	02-28-01
Condition:	Cool and Intact	Chain of Custody:	8529

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 6.67**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

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

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

Comments: **INFAB.**

Christine M Walters
Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federation Environmental	Project #:	01007-001
Sample ID:	Hilltop Stains	Date Reported:	03-01-01
Laboratory Number:	19315	Date Sampled:	02-27-01
Chain of Custody:	8529	Date Received:	02-27-01
Sample Matrix:	Soil	Date Analyzed:	03-01-01
Preservative:	Cool	Date Digested:	03-01-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	Regulatory Level (mg/Kg)
Arsenic	**0.660**	**0.002**	**5.0**
Barium	**3.94**	**0.002**	**100**
Cadmium	**0.624**	**0.002**	**1.0**
Chromium	**1.64**	**0.002**	**5.0**
Lead	**8.46**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**0.428**	**0.002**	**1.0**
Silver	**0.124**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-01-TM QA/QC	Date Reported:	03-01-01
Laboratory Number:	19310	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	03-01-01
Condition:	N/A	Date Digested:	03-01-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	**ND**	**ND**	**0.001**	**0.030**	**0.030**	**0.0%**	**0% - 30%**
Barium	**ND**	**ND**	**0.001**	**0.139**	**0.137**	**1.4%**	**0% - 30%**
Cadmium	**ND**	**ND**	**0.001**	**0.038**	**0.039**	**2.6%**	**0% - 30%**
Chromium	**ND**	**ND**	**0.001**	**0.017**	**0.017**	**0.0%**	**0% - 30%**
Lead	**ND**	**ND**	**0.001**	**0.266**	**0.264**	**0.8%**	**0% - 30%**
Mercury	**ND**	**ND**	**0.001**	**ND**	**ND**	**0.0%**	**0% - 30%**
Selenium	**ND**	**ND**	**0.001**	**0.012**	**0.012**	**0.0%**	**0% - 30%**
Silver	**ND**	**ND**	**0.001**	**0.031**	**0.030**	**3.2%**	**0% - 30%**

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	**0.500**	**0.030**	**0.529**	**99.8%**	**80% - 120%**
Barium	**0.500**	**0.139**	**0.637**	**99.7%**	**80% - 120%**
Cadmium	**0.500**	**0.038**	**0.538**	**100.0%**	**80% - 120%**
Chromium	**0.500**	**0.017**	**0.516**	**99.8%**	**80% - 120%**
Lead	**0.500**	**0.266**	**0.763**	**99.6%**	**80% - 120%**
Mercury	**0.050**	**ND**	**0.049**	**98.0%**	**80% - 120%**
Selenium	**0.500**	**0.012**	**0.511**	**99.8%**	**80% - 120%**
Silver	**0.500**	**0.031**	**0.530**	**99.8%**	**80% - 120%**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, *Acid Digestion of Sediments, Sludges and Soils.* SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for samples 19310 - 19315.**

Analyst

Review

CHAIN OF CUSTODY RECORD 08529

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
FEDERATED ENVIRONMENTAL	INFAB	
Sampler: HARLAN M. BROWN	Client No. 01007-001 ~~98065~~	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA 8 Metals	RCRA RCT					Remarks
ANTI-FREEZE Drums	2.27.01	9:55	19310	Liquid	1	✓						
Codes Hop Sump	2.27	10:00	19311	Liquid	1	✓						
Main Shop Sump	2.27	10:05	19312	Liquid	1	✓						
Upper Paint Area	2.27	10:25	19313	Soil	1	✓						
Lower Paint Area	2.27	10:30	19314	Soil	1	✓						
Hill top Stains	2.27	10:40	19315	Soil	1	✓	✓					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	2.27.01	10:53	Glenn L. Duncan	2.27.01	10:53
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

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

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

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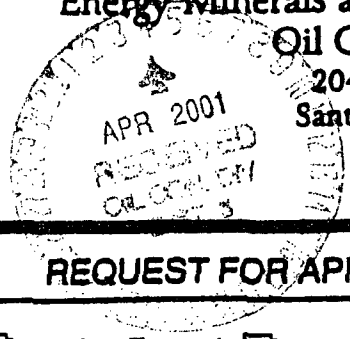

Env. JN: 01007-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Federated Energy
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Intrepid
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5928 U.S. Hwy 64 Farmington, 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:

Oily dirt from cleanup of Hyster Hydraulic leak

Total Metals Analysis - Attached

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

SIGNATURE: Harlan M. Brown (Waste Management Facility Authorized Agent) TITLE: Landfarm Manager DATE: 3-26-01

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

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 3/27/01

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

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Env. JN: 01007-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Federated Insurance
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Intrepid
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5928 U.S. Hwy 64 Farmington 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:

Oily dirt from cleanup of Hyster Hydraulic leak

Total Metals Analysis - Attached

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

SIGNATURE: Harlan M. Brown TITLE: Landfarm Manager DATE: 3-26-01
Waste Management Facility Authorized Agent

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

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
Federated Environmental Svcs Bedford Square, 1314 Bedford Ave. Baltimore MARYLAND 21208	Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico
3. Originating Site (name): INFAB YARD 5928 U.S. Hwy 64 FARMINGTON NM. Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Oily dirt cleaned up @ parking areas from Hydrotest leaks	

I, Harlan M. Brown (Print Name) representative for:

Federated Environmental / ~~INFAB~~ 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 product identification

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

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

___ MSDS Information
___ RCRA Hazardous Waste Analysis
X Chain of Custody
X Other (description): Total Metals.

This waste is in compliance with *Regulated Levels of Naturally Occurring Radioactive Material* **(NORM)** *pursuant* to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Harlan M Brown

Title: Geologist - Project Manager

Date: 3-26-01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SUSPECTED HAZARDOUS WASTE ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Oily Soil	Date Reported:	02-26-01
Lab ID#:	19234	Date Sampled:	02-22-01
Sample Matrix:	Soil	Date Received:	02-22-01
Preservative:	Cool	Date Analyzed:	02-23-01
Condition:	Cool and Intact	Chain of Custody:	8514

Parameter	Result	
IGNITABILITY:	**Negative**	
CORROSIVITY:	**Negative**	**pH = 7.07**
REACTIVITY:	**Negative**	

RCRA Hazardous Waste Criteria

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

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

Comments: **INFAB Yard 13 drum composite.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Federated Environmental	Project #:	01007-001
Sample ID:	Oily Soil	Date Reported:	02-26-01
Laboratory Number:	19234	Date Sampled:	02-22-01
Chain of Custody:	8514	Date Received:	02-22-01
Sample Matrix:	Soil	Date Analyzed:	02-26-01
Preservative:	Cool	Date Digested:	02-26-01
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	**ND**	**0.002**	**5.0**
Barium	**ND**	**0.002**	**100**
Cadmium	**ND**	**0.002**	**1.0**
Chromium	**ND**	**0.002**	**5.0**
Lead	**ND**	**0.002**	**5.0**
Mercury	**ND**	**0.002**	**0.2**
Selenium	**ND**	**0.002**	**1.0**
Silver	**ND**	**0.002**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

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

Comments: **INFAB Yard 13 drum composite.**

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-26-TM QA/QC	Date Reported:	02-26-01
Laboratory Number:	19234	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	02-26-01
Condition:	N/A	Date Digested:	02-26-01

Blank & Duplicate Conc. (mg/L)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Cadmium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Lead	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Mercury	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.002	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.002	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	1.00	ND	0.996	99.6%	80% - 120%
Barium	1.00	ND	0.996	99.6%	80% - 120%
Cadmium	1.00	ND	0.998	99.8%	80% - 120%
Chromium	1.00	ND	0.994	99.4%	80% - 120%
Lead	1.00	ND	0.996	99.6%	80% - 120%
Mercury	0.100	ND	0.098	98.0%	80% - 120%
Selenium	1.00	ND	0.994	99.4%	80% - 120%
Silver	1.00	ND	0.998	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectorscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for sample 19234.**

Analyst

Review

CHAIN OF CUSTODY RECORD

08514

Client / Project Name	Project Location	ANALYSIS / PARAMETERS
Federated Environmental	InFab Yard.	
Sampler: Harlan M. Brown	Client No. 01007-001	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	RCRA RCI	Total Metals					Remarks
OilySoil	2.22.01	9:10	19234	Soil	1	✓	✓					13 drum Composite.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Harlan M Brown	2.22.01	11:10	Glen L. Ajemian	2.22.01	11:10
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

ENVIROTECH INC.

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

Sample Receipt	Y	N	N/A
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

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

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

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to appropr
District Of

Env. JN: 01007-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ — Denny Foust 0.22.01 9:30 AM	4. Generator Federated Environmental Inst.
	5. Originating Site Inst.
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5928 U.S. Hwy 64. Farmington, NM 87401

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Sludge generated during cleaning & Refurbishing oilfield production equipment including tanks, dehys & separators

Norms Analysis attached.

MAR 2001
RECEIVED
OIL CON. DIV.
DIST. 3

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

SIGNATURE: Harlan M Brown (Waste Management Facility Authorized Agent) TITLE: Landfarm Manager DATE: 3-26-01

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

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Geologist DATE: 3/27/01

APPROVED BY: [illegible] TITLE: Geologist DATE: 3/28/1

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-6170

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

Federated Environmental Associates, Inc
Bedford Square, 1314 Bedford Avenue.
Baltimore, Maryland 21208

1. Generator Name and Address:	2. Destination Name:
INFAB 5928 US Hwy 64 Farmington, NM. 87401	Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico
3. Originating Site (name): Infab Shop & Yard. Attach list of originating sites as appropriate	**Location of the Waste (Street address &/or ULSTR):**
4. Source and Description of Waste Sludge generated during cleaning & refurbishing oilfield production equipment including; tanks, dalys, separators	

I, Harland M. Brown (Print Name) representative for:
Federated Environmental Associates 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)

X **EXEMPT** oilfield waste

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

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

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

__ MSDS Information
X RCRA Hazardous Waste Analysis RCRA 8 Metals
X Chain of Custody
X Other (description): Knowledge of Process & Norm's Analysis

This waste is in compliance with *Regulated Levels of Naturally Occurring Radioactive Material* **(NORM)** *pursuant* to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Harland M Brown

Title: Geologist - Project Manager

Date: 7-20-01

Drums from INFAB YARD
sludge generated during cleaning & refurbishing oil field production equipment including tanks, dehydrators, separator and other production equipment.

NORM SURVEY DATA SHEET

Facility / location: Rosco Plant Date: 2-22-01

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

Detector Model: DOSIMETER 3012 Serial No: 201-887-7100

Calibration Date: 4-5-99

Battery Check: (X)

Background Radiation Level: .05 mR/hr

Description of material surveyed:
Solid Waste in 55 gal. drum container

Exempt WASTE

Item / Material Surveyed:

Waste Material: 55 approx. gals
Equipment: mR/hr: .04

Manufacturer: _____

Serial No: _____

Description: _____

Job No: _____

Comments:

Survey Conducted by: Jon Miller
(Print Name)

Jon Miller
(Signature)

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

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

Form C-1
Originated 8/8

Submit Orig
Plus 1 C
to appropr
District Of

Env. JN: 01007-001

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐ Verbal Approval Received: Yes ☒ No ☐ — Donny Foust 0.22.01 9:30 AM	4. Generator Federated Environmental Inst.
	5. Originating Site Install
2. Management Facility Destination Envirotech Soil Remedia. Facility Landfarm #2	6. Transporter Envirotech
3. Address of Facility Operator 5796 US Highway 64 Farmington, NM 87401	8. State New Mexico
7. Location of Material (Street Address or ULSTR)	5928 U.S. Hwy 64. Farmington, NM 87401

9. Circle One:

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

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

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

BRIEF DESCRIPTION OF MATERIAL:

Sludge generated during cleaning & Refurbishing oilfield production equipment including tanks, dehys & separators

- Norms Analysis Attached.

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

SIGNATURE: Harlan M Brown TITLE: Landfarm Manager DATE: 3.26.01
Waste Management Facility Authorized Agent

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

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178 Fax (505)334-617

GARY E. JOHNSON
GOVERNOR

JENNIFER A. SALISBURY
CABINET SECRETARY

CERTIFICATE OF WASTE STATUS

Federated Environmental Associates, Inc
BEDFORD Square, 1314 Bedford Avenue.
Baltimore, Maryland 21208

1. Generator Name and Address:	2. Destination Name:
INFAB 59285 Hwy 64 Farmington, NM. 87401	Envirotech Soil Remediation Facility Landarm #2 Hilltop, New Mexico
3. Originating Site (name): Infab Shop & Yard. Attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):
4. Source and Description of Waste: Sludge generated during cleaning & refurbishing oilfield production equipment including; tanks, dehys, separators	

I, Harland M. Brown (Print Name) representative for: Federated Environmental Associates 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)

X **EXEMPT** oilfield waste

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

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

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

__ MSDS Information
X RCRA Hazardous Waste Analysis RCRA & Metals
X Chain of Custody
X Other (description): Knowledge of Process & Norm's Analysis

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Harland M Brown

Title: Geologist - Project Manager

Date: 3-22-01

Drums from INFAB YARD
sludge generated during cleaning & refurbishing oil field production equipment including tanks, dehydrators, separator and other production equipment.

NORM SURVEY DATA SHEET

Facility / location: Resco Plant Date: 2-22-01

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

Detector Model: DOSIMETER 3012 Serial No: 201-887-7100

Calibration Date: 4-5-99

Battery Check: (X)

Background Radiation Level: .05 mR/hr

Description of material surveyed:
Solid Waste in 55 gal. drum containers
Exempt WASTE

Item / Material Surveyed:

Waste Material: 55 approx. gals
Equipment: mR/hr: .04

Manufacturer: _____

Serial No: _____

Description: _____

Job No: _____

Comments:

Survey Conducted by: Jon Miller
(Print Name)
Jon Miller
(Signature)

Emergency Contact Telephone Number

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMP360009681.6
Manifest Document No.: 05021
2. Page 1 of 2
Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Federated Environmental Services
Bedford Sq., 1314 Bedford Ave.
Baltimore MD 21208
4. Generator's Phone: 410 653-8434

A. State Manifest Document Number
B. State Generator's ID

5. Transporter 1 Company Name: Envirosolve L.L.C.
6. US EPA ID Number: AZD982484585 7 8
C. State Transporter's ID
D. Transporter's Phone: (520)623-7322

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosolve L.L.C.
2120 Southwest Blvd.
Tulsa, OK 74107
10. US EPA ID Number: OKD987084068
G. State Facility's ID: OKD987084068
H. Facility's Phone: (888)840-8476

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Paint Related Material, 3, UN1263, PGII (D001)	X	011	DM	440	P	D001 F003 F005
b. RQ Waste Paint Related Material, 3, UN1263, PGII (D001)	X	007	DM	280	P	D001 F003 F005
c. Waste Aerosols, 2.2, UN1950 (LAB PACK)	X	001	DM	100	P	D001
d. Waste Corrosive Liquid, Basic, Inorganic, N.O.S. (Ammonium Hydroxide), 8, UN3266, PGII	X	001	DF	30	P	D002

J. Additional Descriptions for Materials Listed Above
11a. 4-01096-003-1. paint/solvent waste. ERG#128.
11b. 4-01096-003-2. paint/solvent waste, >30% sludge .ERG#128.
11c. 4-01096-902-3. aerosols. ERG#
11d. 4-01096-008-4. ERG#154. 1x5g.

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency Contact# 1-877-927-8311
Handling and disposition per 40 CFR 261.5 CESQG accumulations.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimized the present and future threat to human health and the environment; **OR,** if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: HARLAN M BROWN
Signature:
Month Day Year: 05 02 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ALLIE M. CROTTS
Signature:
Month Day Year:

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month Day Year

GENERATOR'S COPY

EMERGENCY CONTACT TELEPHONE NUMBER

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator's US EPA ID No.	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.
NMI	3600968 16	05021		

23. Generator's Name Federated Environmental Services Bedford Sq., 1314 Bedford Ave. Baltimore, MD 21208 (410)653-8434	L. State Manifest Document Number M. State Generator's ID
24. Transporter 1 Company Name: Envirosolve L.L.C. — 25. US EPA ID Number: AZD982484578	N. State Transporter's ID O. Transporter's Phone (520)623-7322
26. Transporter ____ Company Name — 27. US EPA ID Number	P. State Transporter's ID Q. Transporter's Phone

	HM	28. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	29. Containers No	Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.	X	Waste Flammable Liquids, N.O.S., 3, UN1993, PGII (LAB PACK)	001	D F	50	P	D001
b.	X	Non RCRA/Non DOT Solid (paint solid & debris)	003	D M	900	G	
c.							
d.							
e.							
f.							
g.							
h.							
i.							

S. Additional Descriptions for Materials Listed Above
28a. 4-01096-001-2. LP#1, 1X5G. ERG#128.
28b. 4-01096-909-13. rags, booms, absorbent contaminated w/marine oil.

T. Handling Codes for Wastes Listed Above

32. Special Handling Instructions and Additional Information

Emergency Contact#1-877-927-8311
Handling and disposition per 40 CFR 261.5 CESQG accumulations.

GENERATOR

33. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

34. Transporter ____ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

TRANSPORTER

35. Discrepancy Indication Space

FACILITY

GENERATOR'S COPY

EMERGENCY CONTACT TELEPHONE NUMBER

UNIFORM HAZARDOUS WASTE MANIFEST

(Continuation Sheet)

21. Generator's US EPA ID No.	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.
NMT 3 6 0 0 2 6 8 1 6 . 0 5 0 2 1 .			

23. Generator's Name

Federated Environmental Services
Bedford Sq., 1314 Bedford Ave.
Baltimore, MD 21208
(410)653-8434

L. State Manifest Document Number

M. State Generator's ID

24. Transporter 1 Company Name: Envirosolve L.L.C.

25. US EPA ID Number: AZD982434578

N. State Transporter's ID

O. Transporter's Phone: (520)622-7322

26. Transporter _____ Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

	28. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	HM	29. Containers No	29. Containers Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.	Waste Flammable Liquids, N.O.S., 3, UN1993, PGII (LAB PACK)	X	01	D F	50	P	D001
b.	Non RCRA/Non DOT Solid (paint solid & debris)	X	03	D M	700	G	
c.							
d.							
e.							
f.							
g.							
h.							
i.							

GENERATOR

S. Additional Descriptions for Materials Listed Above

28a. 4-01096-001-2. LP#1, 1X5G, ERG#128.
28b. 4-01096-909-13. rags, booms, absorbent contaminated w/marine oil.

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32. Special Handling Instructions and Additional Information

Emergency Contact#1-877-927-8311
Handling and disposition per 40 CFR 261.5 CESQG accumulations.

TRANSPORTER

33. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month . Day . Year)
		. . .

34. Transporter _____ Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month . Day . Year)
		. . .

FACILITY

35. Discrepancy Indication Space

Emergency Contact Telephone Number

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M P 3 6 0 0 9 6 8 1 6 | Manifest Document No. 0 5 0 2 1 | 2. Page 1 of 2 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Federated Environmental Services
Bedford Sq., 1314 Bedford Ave.
Baltimore MD 21208

4. Generator's Phone (410) 653-8434

A. State Manifest Document Number

B. State Generator's ID

5. Transporter 1 Company Name: Envirosolve L.L.C.

6. US EPA ID Number: A Z D 9 8 2 4 8 4 5 7 8

C. State Transporter's ID

D. Transporter's Phone (520) 623-7322

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
Envirosolve L.L.C.
2120 Southwest Blvd.
Tulsa, OK 74107

10. US EPA ID Number: O K D 9 8 7 0 9 4 0 6 9

G. State Facility's ID: OKD987084068

H. Facility's Phone (888) 840-9476

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ Waste Paint Related Material, 3, UN1263, PGII (D001)	X	011	D M	0440	P	D001 F003 F005
b. RQ Waste Paint Related Material, 3, UN1263, PGII (D001)	X	007	D M	0280	P	D001 F003 F005
c. Waste Aerosols, 2.2, UN1950 (LAB PACK)	X	001	D M	0100	P	D001
d. Waste Corrosive Liquid, Basic, Inorganic, N.O.S. (Ammonium Hydroxide), 8, UN3266, PGII	X	001	D F	030	P	D002

J. Additional Descriptions for Materials Listed Above
11a. 4-01096-003-1. paint/solvent waste. ERG#128.
11b. 4-01096-003-2. paint/solvent waste, >30% sludge .ERG#128.
11c. 4-01096-902-3. aerosols. ERG#
11d. 4-01096-008-4. ERG#154.

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency Contact# 1-877-927-8311
Handling and disposition per 40 CFR 261.5 CESQG accumulations.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimized the present and future threat to human health and the environment; **OR**, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: HARLAN M BROWN | Signature | Month 05 | Day 22 | Year 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-96) Previous Edition Obsolete

GENERATOR'S COPY

BLSCC

DRIVER: PLEASE SIGN HERE

Bee Carter Envirotech

TICKET NBR
0522365

SAN JUAN COUNTY LANDFILL
COUNTY ROAD 3140 #78
101 SPRUCE STREET (mail)
FARMINGTON, NM 87401-0000

Page: 01 of 01

ORIGINAL
MANUAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
CASH CUSTOMERS	XXX	MARY	3:55PM	3:55PM	2/22/2001

CASH CUSTOMERS

FARMINGTON, NM 00000-0000

SOURCES	OTHER INFORMATION
NO SOURCE Jon Bob, Jederated Envir. J# 01007001	COMMERCIAL FARMINGTON

WM
WASTE MANAGEMENT

0000027
CELL GRID: SJLF

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
910 -LOOSE YARDAGE	6.00	CU YDS	$3.500	$21.00
SAN JUAN COUNTY TAX				$1.21
TOTAL AMOUNT				$22.21

pd cash

DRIVER: PLEASE SIGN HERE

Enviroteck

SAN JUAN COUNTY LANDFILL
COUNTY ROAD 3140 #78
101 SPRUCE STREET (mail)
FARMINGTON, NM 87401-0000

Page: 01 of 01

TICKET NBR
0526421

ORIGINAL
MANUAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
CASH CUSTOMERS	XXX	MARY	12:38PM	12:38PM	3/21/2001

CASH CUSTOMERS

FARMINGTON, NM 00000-0000

Job # 1007-001

SOURCES	OTHER INFORMATION
NO SOURCE	COMMERCIAL FARMINGTON 0000027 CELL GRID: SJLF

WASTE MANAGEMENT

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
910 -LOOSE YARDAGE	2.00	CU YDS	$3.500	$7.00
SAN JUAN COUNTY TAX				$0.40
TOTAL AMOUNT				$7.40

pd cash

DRIVER: PLEASE SIGN HERE

Enviroteck

SAN JUAN COUNTY LANDFILL
COUNTY ROAD 3140 #78
101 SPRUCE STREET (mail)
FARMINGTON, NM 87401-0000

Page: 01 of 01

TICKET NBR 0526421

ORIGINAL
MANUAL

HAULER NAME	TRUCK #	OPERATOR	TIME IN	TIME OUT	DATE
CASH CUSTOMERS	XXX	MARY	12:38PM	12:38PM	3/21/2001

CASH CUSTOMERS

FARMINGTON, NM 00000-0000

Job # 1007-001

SOURCES	OTHER INFORMATION
NO SOURCE	COMMERCIAL FARMINGTON

WM
WASTE MANAGEMENT

00000027

CELL GRID: SJLF

MATERIAL CODE/DESCRIPTION	QUANTITY	MEASURE	RATE	AMOUNT
910 -LOOSE YARDAGE	2.00	CU YDS	$3.500	$7.00
SAN JUAN COUNTY TAX				$0.40
TOTAL AMOUNT				$7.40

MESA ENVIRONMENTAL

A DIVISION OF MESA OIL , INC.

RECYCLING MANIFEST / RECEIPT

86481

DATE 6/11/01 SERVICE CALL # 224812

GENERATOR

Generator Name Federal Environmental Associates Inc Contact

Pickup Address 5928 US Hwy 64 Phone #

City Farmington State NM Zip 87401

X Mailing Address ENVIROTECH INC 5796 US Hwy 64

City FARMINGTON State NM Zip 87401

RECYCLING SERVICE	Price / Unit	Quantity	Total
USED OIL REMOVAL	.00/gal	87	0
OILY WATER REMOVAL			
USED ANTIFREEZE REMOVAL			
USED OIL FILTER REMOVAL			
FREIGHT			

SPECIAL INSTRUCTIONS SALES TAX 0

TOTAL DUE MESA OIL. $ N/C

FORM OF PAYMENT

PAID CASH: CREDIT APP.# MC / VISA

PAID CHECK: APPROVED BY P.O.#

GENERATORS CERTIFICATION: This material is described to the best of my ability. This material has not been mixed with PCB's or hazardous waste identified in 40 CFR Part 261. Used oil filters meet the exclusion requirements of 40 CFR Part 261.4. I acknowledge the accuracy of the total due on this receipt. If to be charged on account I understand that an invoice will follow with terms of NET 30 DAYS.

X Harland M. Brown X [signature] 6/11/01

Printed / Typed Name Signature Date

TRANSPORTER, STORER AND RECYCLER

MESA OIL, INC. - PLANT
Belen, NM
EPA# NMD 0000096024
TEXAS TWC ID# 40849

MESA OIL, INC. - PLANT
Golden, CO
EPA# COD 983772955

Mailing Address:
Mesa Oil, Inc.
7239 Bradburn Blvd.
Denver, CO 80030
(303) 426-4777

IN CASE OF SPILL CONTACT:
MESA OIL, INC.
1-800-USED-OIL

D.O.T. REQUIREMENT - MAXIMUM LOAD 7000 GALLONS
USED PETROLEUM OIL N.O.S.

TRANSPORTER ACKNOWLEDGMENT OF RECEIPT OF MATERIALS:
I certify materials have been tested and are below 1,000 PPM halogens.

Steve Heffington [signature] 6/11/01

Printed / Typed Name Signature Date

TREATMENT FACILITY OPERATOR:
The described materials were handled by me, the treatment facility named above, and were accepted.

Printed / Typed Name Signature Date

White - Return to Generator Green - Records Pink - Office Goldenrod - Generator Copy

ENVIROTECH INC.

Bill of Lading

JOB # 1007ak2684

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

DATE 06/06/01

MANIFEST	COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	IN FAB	Farm #2	Cut Soil	BB-18		400	Envirotech	550	1600	Kelly Padilla

RECEIVED JUN 0 8 2001

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

NAME _____ COMPANY _____ SIGNATURE _____

DATE _____

ENVIROTECH INC.

Bill of Lading

JOB # 12513

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

DATE 2-23-01

MANIFEST	COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	[illegible]	[illegible]	[illegible]	66 17	20		[illegible]	549	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	88 17	20		Envirotech	549	1440	[illegible]

BILLED MAR 06 2001

RECEIVED FEB 26 2001

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

NAME [illegible] COMPANY Envirotech SIGNATURE [illegible]

DATE 2-23-01

ENVIROTECH INC.

Bill of Lading

JOB # [illegible]

DATE [illegible]

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

MANIFEST	COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	[illegible]	[illegible]	[illegible]	[illegible]		4	[illegible]	550	[illegible]	[illegible]

BILLED MAR 06 2001

RECEIVED FEB 27 2001

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

NAME [illegible] COMPANY [illegible] SIGNATURE [illegible]

DATE [illegible]

To Re-order Call 325-9600 or Fax 325-9764 alphagraphics® FORM # 01

ENVIROTECH INC.

Bill of Lading

JOB # Conoco 2735 [partly illegible]

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

DATE 022201

MANIFEST	COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Inlet Mesa Yard	Flare #2	Cont Soil	BB18		8	Envirotech	550	0900	A. Whittaker
2	Inlet Mesa Yard	Flare #2	Tank Bottoms	BB18		5	Envirotech	550	0900	A. Whittaker
3	Inlet Mesa Yard	Flare #2	Cont Soil	BB18		6	Envirotech	550	1500	A. Whittaker
4	Inlet Mesa Yard	Flare #2	Tank Bottoms	BB18		6	Envirotech	550	1500	A. Whittaker

BILLED MAR 06 2001

RECEIVED FEB 27 2001

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

NAME [signature] COMPANY Envirotech SIGNATURE [signature]

DATE 022201

To Re-order Call 325-9600 or Fax 325-9764 alphagraphics FORM # 01

Key Energy Services, Inc.
P.O. Box 900
5651 US Highway 64
Farmington, NM 87499
505-327-0416 • fax 505-327-4962

131941

DATE 5-25-01

TRUCK NO. 1518

CUSTOMER Envirotech Inc

DRIVER Ernest Valdez SS NO.

ONE WAY, 8 MILES

LOCATION 5928 Bloomfield Hwy In Fab Yard

FROM Sump Pits/Water Tanks TO Key disposal COUNTY San Juan

	OIL	WATER			HRS.	SIGNATURE
1. BBLS. HAULED			STARTING TIME A.M. P.M.	STOP TIME A.M. P.M.		REC'D BY
2. BBLS. HAULED		80	STARTING TIME 6:30 A.M. (P.M.)	STOP TIME A.M. P.M.		REC'D BY
3. BBLS. HAULED		80	STARTING TIME A.M. P.M.	STOP TIME A.M. P.M.		REC'D BY
4. BBLS. HAULED		80	STARTING TIME A.M. P.M.	STOP TIME A.M. P.M.		REC'D BY
5. BBLS. HAULED		80	STARTING TIME A.M. P.M.	STOP TIME 1:30 A.M. (P.M.)	7	REC'D BY
6. BBLS. HAULED			STARTING TIME A.M. P.M.	STOP TIME A.M. P.M.		REC'D BY
7. BBLS. HAULED			STARTING TIME A.M. P.M.	STOP TIME A.M. P.M.		REC'D BY
8. BBLS. HAULED			STARTING TIME A.M. P.M.	STOP TIME A.M. P.M.		REC'D BY
9. BBLS. HAULED			STARTING TIME A.M. P.M.	STOP TIME A.M. P.M.		REC'D BY
TOTAL BBLS.		320	HIGH GAUGE	TOTAL HOURS	7	60.00 PER $ 420.00

COMPANY MAN Harlan M. Brown LOW GAUGE

LEGAL DESCRIPTION — SEC. — TOWNSHIP — RANGE —

REMARKS Keep Water cleaned up as crews wash out Sump Pit

FUEL SURCHG	12.60
ENV. SURCHG	2.10
SUBTOTAL	434.70
TAX	25.02
TOTAL	$459.72

Key Energy Services, Inc.
P.O. Box 900
5651 US Highway 64
Farmington, NM 87499
505-327-0416 • fax 505-327-4962

131938

DATE 5-24-01

TRUCK NO. 1523

CUSTOMER Envirotech Inc

DRIVER Ernest Valdez SS NO.

LOCATION 5928 Bloomfield Hwy In Fab

ONE WAY, 8 MILES

FROM Sump Pits/Water Tanks TO Key disposal COUNTY San Juan

	OIL	WATER				HRS.	SIGNATURE
1. BBLS. HAULED			STARTING TIME A.M. P.M.		STOP TIME A.M. P.M.		REC'D BY
2. BBLS. HAULED		80	STARTING TIME 1:30 A.M. (P.M.)		STOP TIME A.M. P.M.		REC'D BY
3. BBLS. HAULED		80	STARTING TIME A.M. P.M.		STOP TIME 5:30 A.M. (P.M.)	4	REC'D BY
4. BBLS. HAULED			STARTING TIME A.M. P.M.		STOP TIME A.M. P.M.		REC'D BY
5. BBLS. HAULED			STARTING TIME A.M. P.M.		STOP TIME A.M. P.M.		REC'D BY
6. BBLS. HAULED			STARTING TIME A.M. P.M.		STOP TIME A.M. P.M.		REC'D BY
7. BBLS. HAULED			STARTING TIME A.M. P.M.		STOP TIME A.M. P.M.		REC'D BY
8. BBLS. HAULED			STARTING TIME A.M. P.M.		STOP TIME A.M. P.M.		REC'D BY
9. BBLS. HAULED			STARTING TIME A.M. P.M.		STOP TIME A.M. P.M.		REC'D BY
TOTAL BBLS.			HIGH GAUGE		TOTAL HOURS	4	60.00 PER $ 240.00

COMPANY MAN Harlan M. Brown LOW GAUGE

LEGAL DESCRIPTION — SEC. TOWNSHIP RANGE

REMARKS

FUEL SURCHG	7.20
ENV. SURCHG	1.20
SUBTOTAL	248.40
TAX	14.28
TOTAL	262.68

70939

Key Energy Services, Inc.
Four Corners

WATER DISPOSAL (505) 334-6186

County Road 3500
Crouch Mesa Bypass

P.O. Box 900
Farmington, NM 87499

KEY ENERGY SERVICES, INC. Reserves the right to refuse any material being hauled into this disposal.

DATE 5-24-01

CUSTOMER Enviratech

WELL NAME/NUMBER 5928 Bloomfield Inf ab

TRUCKING COMPANY Key

DRIVER Valdez UNIT NO. 1523

DELIVERY TICKET # 131938

LOAD	WATER	TIME	AM	PM	DRIVER SIGNATURE
1	80	3:05		✓	Ernesto Valdez
2	80				Ernesto Valdez
3					

☐ H_2S ___ ppm

☒ No H_2S

☐ Black

☐ Solid content ___%

☒ Non Exempt

☐ Waste Oil ___ bbls

☐ White Water Light Med Heavy

Load Description: _____

160 X 3.36 = 537.60
30.9
568.5

1st CLEAN
2ND Dirty

2 Loads @ 268.80 = 537.60

Company Representative Signature Jimmy Bonds

Total = _____

70965

Key Energy Services, Inc.
Four Corners

WATER DISPOSAL **(505) 334-6186**

County Road 3500
Crouch Mesa Bypass

P.O. Box 900
Farmington, NM 87499

KEY ENERGY SERVICES, INC. Reserves the right to refuse any material being hauled into this disposal.

DATE 5-25-01

CUSTOMER Enviratech

WELL NAME/NUMBER 5928 Bloomfield Lndfa

TRUCKING COMPANY Key

DRIVER Valdez UNIT NO. 1518

DELIVERY TICKET # 131941

LOAD	WATER	TIME	AM	PM	DRIVER SIGNATURE
1	80	1:30		-	Ernest Valdez 268.80
2					& 15.46
3					80X3.36 284.26

☐ H_2S ___ ppm

☒ No H_2S

☐ Black

☐ Solid content ___%

☒ Non Exempt

☐ Waste Oil ___ bbls

☐ White Water Light Med Heavy

Load Description: Very Dusty oil/solids

Loads @ 268.80 = 268.80

Company Representative Signature Jimmy Barkerton

Total = _____

70955

Key Energy Services, Inc.
Four Corners

WATER DISPOSAL (505) 334-6186

County Road 3500
Crouch Mesa Bypass

P.O. Box 900
Farmington, NM 87499

KEY ENERGY SERVICES, INC. Reserves the right to refuse any material being hauled into this disposal.

DATE 5-25-01

CUSTOMER Enviratech

WELL NAME/NUMBER 5928 Bloomfield Inf

TRUCKING COMPANY Key

DRIVER Valdez UNIT NO. 1518

DELIVERY TICKET # 131941

LOAD	WATER	TIME	AM	PM	DRIVER SIGNATURE
1	80	10:00	—		Ernesto Valdez
2	80				Ernesto Valdez
3	80				Ernesto Valdez

☐ H_2S ___ ppm

☒ No H_2S

☐ Black

☐ Solid content ___%

☒ Non Exempt

☐ Waste Oil ___ bbls

☐ White Water Light Med Heavy

Load Description: _____

806.40
46.37
240X336 852.77

3 Loads @ 268.80 = 806.40

Company Representative Signature Jimmy Bankston

Total = _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

SOIL SAMPLE ANALYSIS RESULTS
ENERGY PRODUCTION SYSTEMS, INC.
5928 U.S. HIGHWAY 64
FARMINGTON, NEW MEXICO

SEPTEMBER 1995
PROJECT NO: 91386

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Randal Popplewell
Energy Production systems, Inc.
5928 U.S. Highway 64
Farmington, NM 87401

September 26,1995

talked to Jack Collins on 10/26/95 he said the results are on totals — 59 divide by 20. okay.

Ref: H_20 spill of August 29, 1995, soil sample analysis results

Dear Mr. Popplewell:

Enclosed are the results of the soil sample analysis that Envirotech collected at your manufacturing site at 5928 U.S. Highway 64. We have also enclosed a sketch map that shows the location of the soil sample.

This spill resulted in an unknown amount of fresh rinse water being accidently discharged to the surface drainage. From the point of discharge the water followed the natural drainage approximately 400 feet downgradient, but stopped approximately 100 feet short of an intermittent stream along the east side of the site.

A five point composite soil sample was collected from within the spill area from the surface to approximately 0.5 ft. deep along the lower most 10 feet of the spill.

Results of these analysis are evaluated using TCLP regulatory limits for these constituents (Ref. 40 CFR Section 261 Subpart C TCLP levels).

The Toxic Leaching Procedure (TCLP) is one of the Resource Conservation and Recovery Act (RCRA) hazardous characteristics analyses designated by the US EPA to determine if a Waste material is hazardous. The TCLP is published in 40 CFR 261.24, Appendix II method 1311 TCLP.

As the TCLP extraction uses a 20 x weight of extraction liquid per weight of solid sample, it can be assumed that the regulatory limits would have to be exceeded by a factor of 20 in a total metal analysis. None of the total metal analysis exceed this limit. The two highest metals barium and lead are evaluated as follows: Total barium in the sample was 456 mg/Kg. The TCLP regulatory limit for barium is 100 mg/L or approximately 2000 mg/Kg. Total lead in the sample was 9.35 mg/Kg. The TCLP regulatory limit for lead is 5 mg/L or approximately 100 mg/Kg.

1 g H_2O = 1 cc or 1 mL

1 L = 1,000 mL of H_2O 1,000 g = 1 Kg

∴ 1 L = 1,000 g H_2O

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Therefore, based on the above assumptions and the actual constituent results, this material is not a hazardous waste as defined by 40 CFR 261 Subpart C for the targeted constituents.

Sincerely,

C. Jack Collins, P.G.
Hydrogeologist

Reviewed

Morris D. Young
President

Enclosures: Lab Reports
Sketch Map

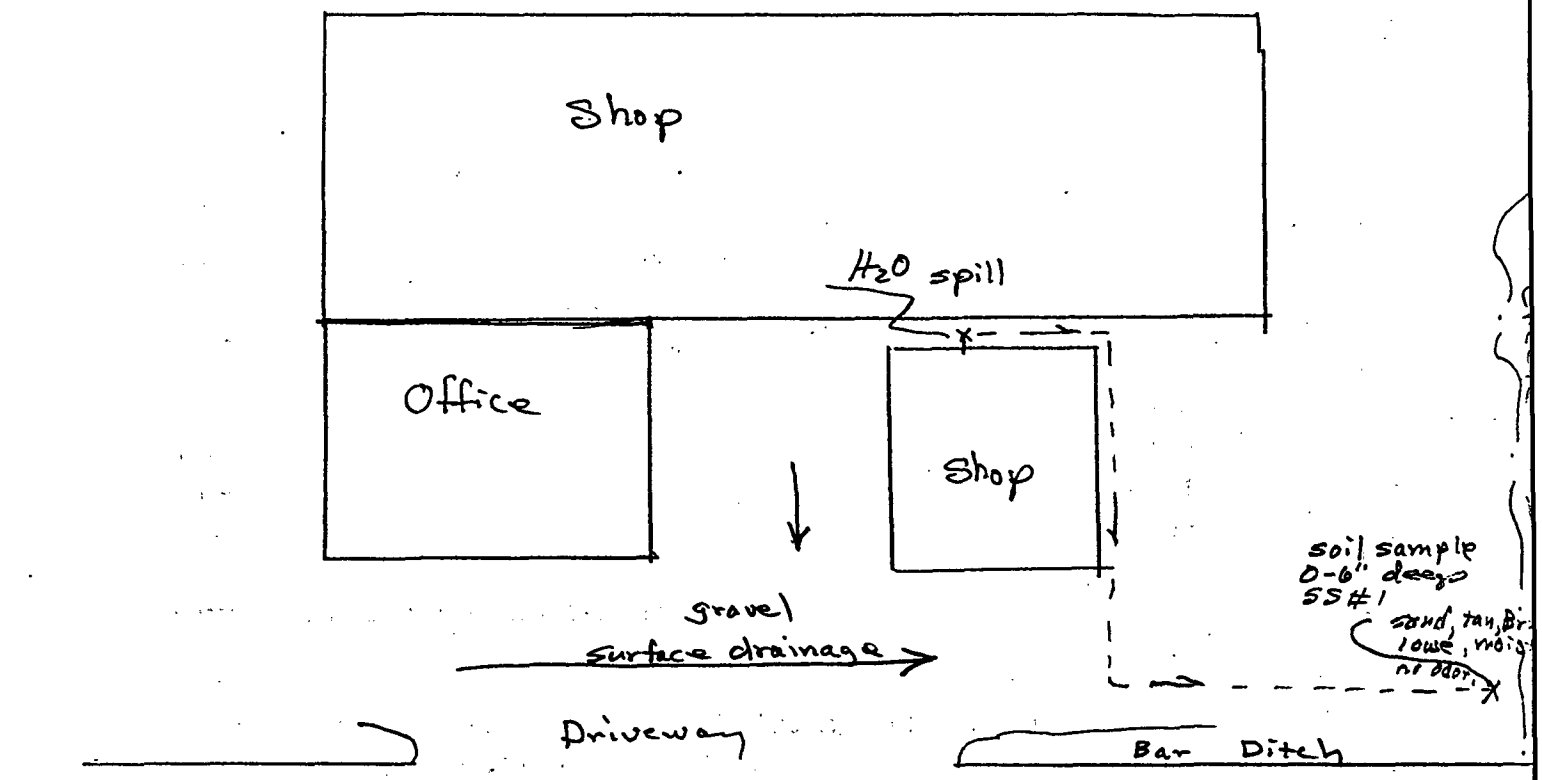
CJC/cjc

Spill.rpt

EPS Bloomfield Highway 8-30-95'

Proj # 9326

C. Jack Collins
Envirotech INC.



← Highway 64 West

Highway 64 East →

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	EPS	Project #:	91386
Sample ID:	SS #1 0-6"	Date Reported:	09-11-95
Laboratory Number:	8848	Date Sampled:	08-30-95
Chain of Custody:	4370	Date Received:	08-30-95
Sample Matrix:	Soil	Date Analyzed:	09-11-95
Preservative:	Cool	Analysis Needed:	Trace metals
Condition:	Cool & Intact		

Parameter	Concentration (mg/Kg)	WKLC	Det. Limit (mg/Kg)	TCLP
Arsenic	ND	0.1 mg/l	0.001	5.0 mg/l
Barium	456	1.0 mg/l	0.010	100 mg/l
Cadmium	0.548	0.01 mg/l	0.001	1.0 mg/l
Chromium	4.07	0.05 mg/l	0.001	5.0 mg/l
Lead	9.35	0.05 mg/l	0.001	5.0 mg/l
Mercury	ND	0.002 mg/l	0.002	0.2 mg/l
Selenium	ND	0.05 mg/l	0.001	1.0 mg/l
Silver	ND	0.05 mg/l	0.001	5.0 mg/l

mg/l

22.8

0.0274

0.2035

0.4675

ND - Parameter not detected at the stated detection limit.

References: Method 3050, Acid Digestion of Sediments, Sludges, and Soils for total Metals, SW-846, USEPA, July 1992.

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

Comments: **Farmington Office, Hwy 64.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
BLANKS

Client:	QA/QC	Project #:	N/A
Sample ID:	Blanks	Date Reported:	09-11-95
Laboratory Number:	09-11-95-Blank	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	09-11-95
Condition:	N/A	Analysis Needed:	Trace Metals

Parameter	Instrument Blank (mg/L)	Method Blank (mg/L)	Det. Limit (mg/L)
Arsenic	**ND**	**ND**	**0.001**
Barium	**ND**	**ND**	**0.01**
Cadmium	**ND**	**ND**	**0.001**
Chromium	**ND**	**ND**	**0.001**
Lead	**ND**	**ND**	**0.001**
Mercury	**ND**	**ND**	**0.002**
Selenium	**ND**	**ND**	**0.001**
Silver	**ND**	**ND**	**0.001**

ND - Parameter not detected at the stated detection limit.

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

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

Comments: **QA/QC for sample 8848.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS
DUPLICATE

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-11-95
Laboratory Number:	8848	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	09-11-95
Condition:	N/A		

Parameter	Sample Result (mg/Kg)	Duplicate Result (mg/Kg)	Percent Difference
Arsenic	**ND**	**ND**	**0.0%**
Barium	**456.**	**458.**	**0.4%**
Cadmium	**0.548**	**0.567**	**3.4%**
Chromium	**4.07**	**4.09**	**0.5%**
Lead	**9.35**	**9.38**	**0.3%**
Mercury	**ND**	**ND**	**0.0%**
Selenium	**ND**	**ND**	**0.0%**
Silver	**ND**	**ND**	**0.0%**

ND - Parameter not detected at the stated detection limit.

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

References: Method 3050 Acid Digestion of Sediments, Sludges, and Soils for Total Metals, SW-846, USEPA, July 1992.

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

Comments: **QA/QC for sample 8848.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS SPIKE

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Spike	Date Reported:	09-11-95
Laboratory Number:	8848	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Trace Metals	Date Analyzed:	09-11-95
Condition:	N/A		

Parameter	Spike Added (mg/Kg)	Sample Result (mg/Kg)	Spiked Sample Result (mg/Kg)	Percent Recovery
Arsenic	**4.81**	**ND**	**4.77**	**99%**
Barium	**48.1**	**458**	**504**	**100%**
Cadmium	**4.81**	**0.322**	**5.07**	**99%**
Chromium	**4.81**	**0.091**	**4.87**	**99%**
Lead	**4.81**	**1.36**	**6.09**	**99%**
Mercury	**2.40**	**ND**	**2.35**	**98%**
Selenium	**4.81**	**ND**	**4.79**	**100%**
Silver	**48.1**	**ND**	**49.0**	**102%**

ND - Parameter not detected at the stated detection limit.

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

References: Method 3050, Acid Digestion of Sediments, Sludges, and Soils for Total Metals, SW-846, USEPA, July 1992.

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

Comments: **QA/QC for samples 8848.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020
AROMATIC VOLATILE ORGANICS

Client:	EPS	Project #:	91386
Sample ID:	SS #1 0 - 6"	Date Reported:	08-31-95
Laboratory Number:	8848	Date Sampled:	08-30-95
Chain of Custody:	4370	Date Received:	08-30-95
Sample Matrix:	Soil	Date Analyzed:	08-31-95
Preservative:	Cool	Date Extracted:	08-31-95
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**29.6**
Toluene	**ND**	**33.9**
Ethylbenzene	**ND**	**31.7**
p,m-Xylene	**ND**	**27.0**
o-Xylene	**ND**	**39.9**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**99 %**
	Bromofluorobenzene	**101 %**

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

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

Comments: **Farmington Office, Hwy 64.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020
AROMATIC VOLATILE ORGANICS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	08-31-95
Laboratory Number:	08-31-BTEX.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-31-95
Condition:	N/A	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	**ND**	**0.4**
Toluene	**ND**	**0.5**
Ethylbenzene	**ND**	**0.5**
p,m-Xylene	**ND**	**0.4**
o-Xylene	**ND**	**0.6**

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	**97 %**
	Bromofluorobenzene	**101 %**

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

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

Comments: **QA/QC for sample 8848.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020
AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	08-31-95
Laboratory Number:	8848	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Analyzed:	08-30-95
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Difference
Benzene	**ND**	**ND**	**29.6**	**0.0%**
Toluene	**ND**	**ND**	**33.9**	**0.0%**
Ethylbenzene	**ND**	**ND**	**31.7**	**0.0%**
p,m-Xylene	**ND**	**ND**	**27.0**	**0.0%**
o-Xylene	**ND**	**ND**	**39.9**	**0.0%**

ND - Parameter not detected at the stated detection limit.

QA/QC Acceptance Criteria:	Parameter	Maximum Difference
	8020 Compounds	**30 %**

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

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

Comments: **QA/QC for sample 8848.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020
AROMATIC VOLATILE ORGANICS

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	08-31-95
Laboratory Number:	8848	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	Cool	Date Extracted:	08-31-95
Condition:	Cool and Intact	Date Analyzed:	08-31-95

Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	50.0	51.2	29.6	102%	39-150
Toluene	ND	50.0	69.8	33.9	100%	46-148
Ethylbenzene	ND	50.0	50.5	31.7	99%	32-160
p,m-Xylene	ND	100	126	27.0	99%	46-148
o-Xylene	ND	50.0	62.5	39.9	98%	46-148

ND - Parameter not detected at the stated detection limit.

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

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

Comments: **QA/QC for sample 8848.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8010
Halogenated Volatile Organics

Client:	EPS	Project #:	91386
Sample ID:	SS # 1 0 - 6"	Date Reported:	09-01-95
Chain of Custody:	4370	Date Sampled:	08-30-95
Laboratory Number:	8848	Date Received:	08-30-95
Sample Matrix:	Soil	Date Analyzed:	08-31-95
Preservative:	Cool	Analysis Requested:	8010
Condition:	Cool and Intact		

Parameter	Concentration (ug/kg)	Det. Limit (ug/kg)
Chloromethane	ND	33.3
Vinyl Chloride	ND	33.3
Bromomethane	ND	33.3
Chloroethane	ND	33.3
1,1-Dichloroethene	ND	33.3
trans-1,2-Dichloroethene	ND	33.3
1,1-Dichloroethane	ND	33.3
Chloroform	ND	33.3
1,1,1-Trichloroethane	ND	33.3
Carbon tetrachloride	ND	33.3
1,2-Dichloroethane	ND	20.0
Tricholoroethene	ND	33.3
1,2-Dichloropropane	ND	26.6
Bromodichloromethane	ND	33.3
trans-1,3-Dichloropropene	ND	33.3
1,1,2-Trichloroethane	ND	13.4
Tetrachloroethene	ND	20.0
Dibromochloromethane	ND	33.3
Bromoform	ND	33.3
1,1,2,2-Tetrachloroethane	ND	20.0

ND = Parameter not detected at the stated detection limit.

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	97%
	Bromofluorobenzene	94%

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **Farmington Office, Hwy 64.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8010
Halogenated Volatile Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Laboratory Blank	Date Reported:	09-01-95
Laboratory Number:	08-31-VOL.BLANK	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-31-95
Condition:	N/A	Analysis Requested:	8010

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Chloromethane	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	0.5
Chloroethane	ND	0.5
1,1-Dichloroethene	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
Chloroform	ND	0.5
1,1,1-Trichloroethane	ND	0.5
Carbon tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.3
Tricholoroethene	ND	0.5
1,2-Dichloropropane	ND	0.4
Bromodichloromethane	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.2
Tetrachloroethene	ND	0.3
Dibromochloromethane	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.3

ND = Parameter not detected at the stated detection limit.

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	101%
	Bromofluorobenzene	98%

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **QA/QC for sample 8848.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8010
Halogenated Volatile Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Duplicate	Date Reported:	09-01-95
Laboratory Number:	8848	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	8010	Date Analyzed:	08-31-95
Condition:	N/A		

Parameter	Sample Result (ug/kg)	Duplicate Sample Result (ug/kg)	Det. Limit (ug/kg)	Percent Difference
Chloromethane	ND	ND	33.3	0.0%
Vinyl Chloride	ND	ND	33.3	0.0%
Bromomethane	ND	ND	33.3	0.0%
Chloroethane	ND	ND	33.3	0.0%
1,1-Dichloroethene	ND	ND	33.3	0.0%
trans-1,1-DCEthene	ND	ND	33.3	0.0%
1,1-Dichloroethane	ND	ND	33.3	0.0%
Chlorofrom	ND	ND	33.3	0.0%
1,1,1-TCEthane	ND	ND	33.3	0.0%
Carbon tetrachloride	ND	ND	33.3	0.0%
1,2-Dichloroethane	ND	ND	20.0	0.0%
Trichloroethene	ND	ND	33.3	0.0%
1,2-Dichloropropane	ND	ND	26.6	0.0%
Bromodichloromethane	ND	ND	33.3	0.0%
t-1,3-Dichloropropane	ND	ND	33.3	0.0%
1,1,2-TCEthene	ND	ND	13.4	0.0%
Tetrachloroethene	ND	ND	20.0	0.0%
Dibromochloromethane	ND	ND	33.3	0.0%
Bromoform	ND	ND	33.3	0.0%
1,1,2,2-Tetrachloroethane	ND	ND	20.0	0.0%

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **QA/QC for sample 8848.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8010
Halogenated Volatile Organics
Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	Matrix Spike	Date Reported:	09-01-95
Laboratory Number:	8848	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	8010	Date Analyzed:	08-31-95
Condition:	N/A		

Parameter	Sample Result (ug/kg)	Spike Added (ug/kg)	Spiked Sample Result (ug/kg)	Det. Limit (ug/kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Chloromethane	ND	333	348	33.3	104	1-193
Vinyl Chloride	ND	333	338	33.3	101	28-163
Bromomethane	ND	333	340	33.3	102	1-144
Chloroethane	ND	333	335	33.3	95	46-137
1,1-Dichloroethene	ND	333	307	33.3	89	28-167
trans-1,1-DCEthene	ND	333	338	33.3	101	38-155
1,1-Dichloroethane	ND	333	316	33.3	95	47-132
Chlorofrom	ND	333	319	33.3	96	49-133
1,1,1-TCEthane	ND	333	316	33.3	95	41-138
Carbon tetrachloride	ND	333	341	33.3	99	43-143
1,2-Dichloroethane	ND	333	330	20.0	98	51-147
Trichloroethene	ND	333	354	33.3	106	35-146
1,2-Dichloropropane	ND	333	350	26.7	104	44-156
Bromodichloromethane	ND	333	335	33.3	100	42-172
t-1,3-Dichloropropane	ND	333	336	33.3	98	22-178
1,1,2-TCEthene	ND	333	359	13.5	107	39-136
Tetrachloroethene	ND	333	326	20.0	95	26-162
Dibromochloromethane	ND	333	375	33.3	106	24-191
Bromoform	ND	333	343	33.3	100	13-159
1,1,2,2-Tetrachloroethane	ND	333	372	20.0	112	8-184

ND = Parameter not detected at the stated detection limit.

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.
Method 8010, Halogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments: **QA/QC for sample 8848.**

Analyst

Review

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Inter-Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client:	**Envirotech**		
Project:	EPS		
Sample ID:	SS#1 0"-6"	Date Reported:	09/19/95
Laboratory ID:	42166	Date Sampled:	08/30/95
Sample Matrix:	Soil Extract	Time Sampled:	1434
Condition:	Cool/Intact	Date Received:	08/31/95

Parameter	Analytical Result	Units		Units
Lab pH	7.5	s.u.		
Lab Conductivity @ 25° C	2,960	umhos/cm		
Total Alkalinity as CaCO3	213	mg/L		
Total Hardness as CaCO3 (calc.)	1,520	mg/L		
SAR	1.227	ratio		
Bicarbonate as HCO3	260	mg/L	4.26	meq/L
Carbonate as CO3	0	mg/L	0.00	meq/L
Hydroxide as OH	0	mg/L	0.00	meq/L
Nitrate Nitrogen	2.20	mg/L	0.16	meq/L
Nitrite Nitrogen	0.22	mg/L	0.02	meq/L
Chloride	76	mg/L	2.14	meq/L
Sulfate	1,350	mg/L	28.06	meq/L
Calcium	554	mg/L	27.62	meq/L
Magnesium	35	mg/L	2.85	meq/L
Potassium	14	mg/L	0.35	meq/L
Sodium	110	mg/L	4.79	meq/L
Cations			35.61	meq/L
Anions			34.63	meq/L
Cation/Anion Difference			1.39	%

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Waste Water", 18th ed., 1992.

Comments:

Reported by _____ Reviewed by _____

Inter·Mountain Laboratories, Inc.

2506 W. Main Street
Farmington, New Mexico 87401

Client:	**Envirotech**		
Project:	EPS		
Sample ID:	Lab Control	Date Reported:	09/19/95
Laboratory ID:	QC	Date Sampled:	08/30/95
Sample Matrix:	Soil Extract	Time Sampled:	N/A
Condition:	Cool/Intact	Date Received:	08/31/95

Parameter	Analytical Result	Units		Units
Lab pH	6.8	s.u.		
Lab Conductivity @ 25° C	9,370	umhos/cm		
Total Alkalinity as CaCO3	316	mg/L		
Total Hardness as CaCO3 (calc.)	1,590	mg/L		
SAR	16.120	ratio		
Bicarbonate as HCO3	<1	mg/L	6.32	meq/L
Carbonate as CO3	0	mg/L	0.00	meq/L
Hydroxide as OH	0	mg/L	0.00	meq/L
Nitrate Nitrogen	61.6	mg/L	4.40	meq/L
Nitrite Nitrogen	1.20	mg/L	0.09	meq/L
Chloride	170	mg/L	4.78	meq/L
Sulfate	4,860	mg/L	101.17	meq/L
Calcium	394	mg/L	19.67	meq/L
Magnesium	148	mg/L	12.14	meq/L
Potassium	21	mg/L	0.53	meq/L
Sodium	1,480	mg/L	64.29	meq/L
Cations			96.63	meq/L
Anions			116.75	meq/L
Cation/Anion Difference			9.43	%

Reference: U.S.E.P.A. 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination Of Water And Waste Water", 18th ed., 1992.

Comments:

Reported by _____ Reviewed by _____

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
EPS / 91386	Farmington Office HW 64	
Sampler: (Signature) C. Jack Collins	Chain of Custody Tape No.	

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8010	8020	RCRA Metals	Maj. Cations Anions			Remarks
SS #1 0-6"	8-30-95	1434	8848	Soil	2	✓	✓	✓	✓			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
C. Jack Collins	8-30-95	1450	Nettie Spencer	8-30-95	1450
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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