### **GW-244**

### **Aug 2007 Soil Remediation**

### Date 10/17/2007



### **CONTAMINATION CLEANUP REPORT**

LOCATED AT: RINCON LATERAL #4 COMPRESSOR STATION RIO ARRIBA COUNTY, NEW MEXICO

> For: MR. MICHAEL ARCHER CHEVRON NORTH AMERICA P.O. BOX 1289 FARMINGTON, NEW MEXICO 87499



### PROJECT NO. 92270-155 OCTOBER 2007

October 17, 2007

Project No. 92270-155

Mr. Michael Archer Chevron North America P.O. Box 1289 Farmington, New Mexico 87499

Phone (505) 326-2657 Cell (505) 320-7970

#### RE: CONTAMINATION CLEANUP REPORT AT RINCON LATERAL #4 COMPRESSOR STATION, RIO ARRIBA COUNTY, NEW MEXICO

Dear Mr. Archer,

Attached please find the report titled Contamination Cleanup Report at Rincon Lateral #4 Compressor Station, Rio Arriba County, New Mexico. We have included one (1) original and two (2) copies. Please review the report and forward one (1) copy to the Bureau of Land Management and one (1) copy to Mr. Brandon Powell with the NMOCD.

We appreciate the opportunity to be of service. If you should have any questions please do not hesitate to contact our office at (505) 632-0615.

Sincerely,

**ENVIROTECH, INC.** 

RCVD OCT 30 '07 OIL CONS. DIV. DIST. 3

E. Nicol Hayword

Environmental Scientist nhayworth@envirotech-inc.com

Enclosures: Three (3) Reports

CC: Client File 92270

District Copy For Scanning Only Has NOT been processed.

#### CONTAMINATION CLEANUP REPORT AT RINCON LATERAL #4 COMPRESSOR STATION RIO ARRIBA COUNTY, NEW MEXICO

#### TABLE OF CONTENTS

Introduction	
Scope of Work	1
Description of Work	
Recommendations	2
Statement of Limitations	

Figures: Figure 1, Vicinity Map Figure 2, Site Map

Table: Table 1, Analytical Results

Appendices: Appendix A, Site Photography Appendix B, Analytical Results Appendix C, Bills of Lading

Contamination Cleanup Report at Rincon Lateral # 4 Compressor Station October 17, 2007 Project No. 92270-155 Page 1

#### INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted to perform activities associated with monitoring and closure sampling for the cleanup of contamination found at the Rincon Lateral #4 Compressor Station, Rio Arriba County, New Mexico; see *Figure 1, Vicinity Map*. The excavation of contaminated soil is detailed in this report with field and laboratory analysis presented in separate appendices.

#### SCOPE OF WORK

The scope of work included monitoring the excavation of contaminated soil from under and around compressor pad #1, #2, and #4; see *Figure 2, Site Map.* Also included in the scope of work was field closure using USEPA Method 418.1 for Total Petroleum Hydrocarbons (TPH) and for organic vapors using a Photo Ionization Detector (PID). Laboratory analysis for Benzene, Toluene, Ethylbenzene, and Total Xylene (BTEX) was conducted for samples that exceeded 100 ppm standard using a PID. Documentation, reporting, and preparation of appropriate New Mexico Oil Conservation Division (NMOCD) forms were also performed. Based on the site location, it was determined that a cleanup level of 1000 ppm TPH for the hydrocarbon-impacted soil would be necessary to comply with the current NMOCD Guidelines to protect the environment adequately.

#### **DESCRIPTION OF WORK**

#### **Compressor Pad #1**

Environmental excavation on compressor pad #1 began on August 2, 2007. Upon arriving on the site a brief site assessment was performed to outline the extent of the contaminated area. Excavation began on the northwest of the pad and moved to the southeast; see *Appendix A*, *Site Photography*. An environmental scientist was on site to collect and analyze samples in the field to ensure that only contaminated soil was removed. Two (2) bottom samples were collected and analyzed in the field with a result below the 1000 ppm TPH closure standard. Sidewall samples were also collected and analyzed in the field with a result below the 1000 ppm TPH closure standard. Sidewall samples were also collected from below two (2) concrete pads and a fuel pit, all with results below the 1000 ppm TPH closure standard for this site. A fifth area was also excavated and sampled directly adjacent to compressor pad #1. This area reached approximately five (5) feet deep and was believed to be some kind of pit; see *Figure 2, Site Map*.

#### **Compressor Pad #2**

Environmental cleanup on compressor pad #2 began on August 6, 2007 with samples being collected both around the outside of the pad and under the pad. It was determined that the area under the pad did not require excavation. Excavation began south of the pad and moved to the north; see *Appendix A*, *Site Photography*. An environmental scientist was on site to collect and analyze samples in the field to ensure that only contaminated soil was removed. At approximately one (1) foot deep field analysis was below the 1000 ppm TPH closure standard. South, west, and east sidewall samples were also collected and analyzed in the field with a result

Contamination Cleanup Report at Rincon Lateral # 4 Compressor Station October 17, 2007 Project No. 92270-155 Page 2

below the 1000 ppm TPH closure standard; see *Appendix B, Analytical Results*. This excavation reached approximately 24 feet x 12 feet x one (1) foot deep; see *Figure 2, Site Map*.

#### **Compressor Pad #3**

Compressor pad #3 was excavated August 19 - 22, 2007. This excavation is detailed in a report entitled "Contamination Cleanup Report at Rincon Lateral #4 Compressor Station, Compressor Pad #3, Rio Arriba County, New Mexico". Prepared for Hanover c/o Externa by Envirotech and dated October 2007.

#### **Compressor Pad #4**

On September 19, 2007 upon Envirotech's arrival onsite excavation had been completed in the area of compressor pad #4 and an area northwest of the meter house. An environmental scientist was on site to collect and analyzed samples in the field to ensure that all contaminated soil was removed. At approximately five (5) feet deep in the area of the pad field analysis was below the 1000 ppm TPH closure standard. Sidewall samples were also collected and analyzed in the field with a result below the 1000 ppm TPH closure standard; see *Appendix B, Analytical Results*. The excavation from pad #4 reached approximately 35 feet x 18 feet x five (5) feet deep; see *Figure 2, Site Map* and *Appendix A, Site Photography*. Samples from the bottom and sidewalls were below the 1000 ppm TPH closure standard in the area northwest of the meter house at approximately eight (8) feet x five (5) feet x four (4) feet deep; see *Figure 2, Site Map*.

In all approximately 196 cubic yards of contaminated soil and 75 barrels of sludge were transported to Envirotech's NMOCD permitted Soil Remediation Facility Landfarm #2 once a metal analysis was complete and the soil was cleared for disposal; see *Appendix C, Bills of Lading*.

#### RECOMMENDATIONS

Excavation was performed to remove all contamination to below a 1000 ppm TPH standard. All site activities were performed in accordance with NMOCD requirements. Excavation at the Rincon Lateral #4 Compressor Station, Rio Arriba County, New Mexico was performed and field and laboratory sample results indicated that the site was cleaned to below the 1000 ppm limit determined for these sites. Envirotech recommends no further action with regards to this site.

Contamination Cleanup Report at Rincon Lateral # 4 Compressor Station October 17, 2007 Project No. 92270-155 Page 3

#### STATEMENT OF LIMITATIONS

Envirotech performed soil screening and documentation for soil excavated at the Rincon Lateral #4 Compressor Station, Rio Arriba County, New Mexico. The work and services provided by Envirotech were under the guidelines of the NMOCD. All observations and conclusions provided here are based on the information and current site conditions found during this investigation.

The undersigned has conducted this service at the above referenced site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted. ENVIROTECH, INC. Reviewed by:

**NMCES #299** 

E. Nicole Hayworth **Environmental Scientist** nhayworth@envirotech-inc.com

Kyle P. Kerr

O KERR N MEN 299 Chief Environmental Scientist/Manager kpkerr@envirotech-inc.com TED SC

FIGURES

Figure 1, Vicinity Map

Figure 2, Site Map





TABLE 1

**Analytical Results** 

## Table 1: Analytical ResultsContamination Cleanup Reportat Rincon Lateral #4 Compressor StationRio Arriba County, New Mexico

Pad/Pit #	Location	Date	USEPA Method 418.1 TPH (ppm)	PID (ppm)	USEPA Method 8021 Benzene (ppb)	USEPA Methoo 8021 BTEX (ppb)
	NMOCD Standard		1000	100.0	10000	50,000
Pad 1	Northwest Sidewall	8/2/2007	ND	4.9		
Pad 1	Northwest Bottom	8/2/2007	40	3.5		N
Pad 1	Southwest Sidewall	8/2/2007	ND	5.0		
Pad 1	Northeast Sidewall	8/2/2007	ND	5.5		
Pad 1	Southeast Bottom	8/2/2007	72	5.5		1. A.
Pad 1	Southeast Sidewall	8/2/2007	ND	5.3		
Pit 3	Bottom	8/4/2007	ND	<1.0		
Pit 3	Sidewall Composite	8/4/2007	ND	<1.0		
Pit 2	Bottom	8/4/2007	28	<1.0		
Pit 2	Sidewall Composite	8/4/2007	108	<1.0		
Fuel Pit	Bottom	8/4/2007	ND	<1.0		
Fuel Pit	Sidewall Composite	8/4/2007	ND	<1.0		
Pit 1	Bottom @ 1' BGS	8/4/2007	3452	<1.0		
Pit 1	Northwest Sidewall	8/4/2007	ND	<1.0		
Pit 1	Northeast Sidewall	8/4/2007	384	<1.0		
Pit 1	Southwest Sidewall	8/4/2007	ND	<1.0		
Pit 1	Bottom @ 5' BGS	8/4/2007	992	<1.0		
Pit 1	Southeast Sidewall	8/4/2007	ND	<1.0		
Pad2	Outside Pad	8/6/2007	1140	1.2		- 1. A. S. S.
Pad2	Under Pad	8/6/2007	44	<1.0		
Pad2	Bottom @ 1' BGS	8/6/2007	116	3.1		
Pad2	South Wall	8/6/2007	148	3.0		
Pad 2	West Wall	8/6/2007	264	3.2		
Pad2	East Wall	8/6/2007	116	3.8		
Pad 4	Bottom @ 5' BGS	9/19/2007	16	<1.0		
Pad 4	North Wall	9/19/2007	76	<1.0		
Pad 4	South Wall	9/19/2007	192	<1.0		
Pad 4	East Wall	9/19/2007	440	<1.0		
Pad 4	West Wall	9/19/2007	60	<1.0		
Meter house	Bottom @ 4' BGS	9/19/2007	96	326	1.1	43.3
Meter house	North Wall	9/19/2007	20	1050	1.7	192
Meter house	South Wall	9/19/2007	ND	3.3		
Meter house	West Wall	9/19/2007	ND	1.2		
Meter house	East Wall	9/19/2007	ND	1.0		

ND = Not detected above laboratory detection limits

Bold indicates samples which did not passed NMOCD closure standards

### APPENDIX A

Site Photography

Contamination Cleanup Report at Rincon Lateral #4 Compressor Station Rio Arriba County, New Mexico

1



Photo 1: Removing Compressor from Pad #1



Photo 2: Excavation on Pad #2 with Pad #1 in background

Contamination Cleanup Report at Rincon Lateral #4 Compressor Station Rio Arriba County, New Mexico



Photo 3: Excavation of Pit #3



Photo 4: Excavation of Pad #4

### APPENDIX B

**Analytical Results** 

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	1	Date Reported:	10/12/2007
Sample ID:	Northwest Sidewall, Pad #1	Date Sampled:	8/2/2007
Sample Matrix:	Soil	Date Analyzed:	8/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Juli Thompson Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No.:	2	Date Reported:	10/12/2007	
Sample ID:	Northwest Bottom, Pad #1	Date Sampled:	8/2/2007	
Sample Matrix:	Soil	Date Analyzed:	8/2/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

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

Total Petroleum Hydrocarbons405.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

0 Review

Juli Thompson Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	3	Date Reported:	10/12/2007
Sample ID:	Southwest Sidewall, Pad #1	Date Sampled:	8/2/2007
Sample Matrix:	Soil	Date Analyzed:	8/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No.:	4	Date Reported:	10/12/2007
Sample ID:	Northeast Sidewall, Pad #1	Date Sampled:	8/2/2007
Sample Matrix:	Soil	Date Analyzed:	8/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact	· · ·	

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

homesor Analyst

Muz Colt

Review

Juli Thompson Printed

Greg Crabtree Printed

20

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	5	Date Reported:	10/12/2007
Sample ID:	Southeast Bottom, Pad #1	Date Sampled:	8/2/2007
Sample Matrix:	Soil	Date Analyzed:	8/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	72	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Homoson Analyst

Review

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No.:	6	Date Reported:	10/12/2007
Sample ID:	Southeast Sidewall, Pad #1	Date Sampled:	8/2/2007
Sample Matrix:	Soil	Date Analyzed:	8/2/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons ND 5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Juli Thompson Printed

### 

### **CONTINUOUS CALIBRATION EPA METHOD 418.1** TOTAL PETROLEUM **HYDROCARBONS**

Cal. Date:	2-Aug-07		
Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
трн	100 200 500 1000	173	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

homason

Analyst

Date

Juli Thompson Print Name

Review

10/15/07 Date

**Greg Crabtree** Print Name

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	7	Date Reported:	10/12/2007	
Sample ID:	Bottom, Pit #3	Date Sampled:	8/4/2007	
Sample Matrix:	Soil	Date Analyzed:	8/4/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

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

Total Petroleum HydrocarbonsND5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

homoson Analyst

Review

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	8	Date Reported:	10/12/2007
Sample ID:	Sidewall Composite, Pit #3	Date Sampled:	8/4/2007
Sample Matrix:	Soil	Date Analyzed:	8/4/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Anatyst

Review

Juli Thompson Printed

Nicole Hayworth

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	9	Date Reported:	10/12/2007
Sample ID:	Bottom, Pit #2	Date Sampled:	8/4/2007
Sample Matrix:	Soil	Date Analyzed:	8/4/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons285.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Alicel Haywar

Review

Juli Thompson Printed

### **NVIROTECH** TOMORROW

### EPA METHOD 418.1 **TOTAL PETROLEUM HYDROCARBONS**

Chevron	Project #:	92270-155
10	Date Reported:	10/12/2007
Sidewall Composite, Pit #2	Date Sampled:	8/4/2007
Soil	Date Analyzed:	8/4/2007
Cool	Analysis Needed:	TPH-418.1
Cool and Intact		
	Chevron 10 Sidewall Composite, Pit #2 Soil Cool Cool and Intact	ChevronProject #:10Date Reported:Sidewall Composite, Pit #2Date Sampled:SoilDate Analyzed:CoolAnalysis Needed:Cool and IntactState Sampled:

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	108	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: **Rincon Lateral #4 Compressor Station** 

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Juli Thompson Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	11	Date Reported:	10/12/2007	
Sample ID:	Bottom, Fuel Pit	Date Sampled:	8/4/2007	
Sample Matrix:	Soil	Date Analyzed:	8/4/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

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

Total Petroleum Hydrocarbons ND 5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Mical Hayrow

Review

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	12	Date Reported:	10/12/2007	
Sample ID:	Sidewall Composite, Fuel Pit	Date Sampled:	8/4/2007	
Sample Matrix:	Soil	Date Analyzed:	8/4/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument callibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	13	Date Reported:	10/12/2007	
Sample ID:	Bottom @1' BGS, Pit #1	Date Sampled:	8/4/2007	
Sample Matrix:	Soil	Date Analyzed:	8/4/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	3.450	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	14	Date Reported:	10/12/2007
Sample ID:	Northwest Sidewall, Pit #1	Date Sampled:	8/4/2007
Sample Matrix:	Soil	Date Analyzed:	8/4/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons ND 5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Imagn Analyst

Review

Nicole Hayworth Printed

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	15	Date Reported:	10/12/2007	
Sample ID:	Northeast Sidewall, Pit #1	Date Sampled:	8/4/2007	
Sample Matrix:	Soil	Date Analyzed:	8/4/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	384	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Nicol Hayward

Review

Juli Thompson Printed

# NVIROTECH

### EPA METHOD 418.1 TOTAL PETROLEUM **HYDROCARBONS**

Client:	Chevron	Project #:	92270-155	
Sample No .:	16	Date Reported:	10/12/2007	
Sample ID:	Southwest Sidewall, Pit #1	Date Sampled:	8/4/2007	
Sample Matrix:	Soil	Date Analyzed:	8/4/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

	and the second se	Det
		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)
<b>Total Petroleum Hydrocarbons</b>	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

**Rincon Lateral #4 Compressor Station** Comments:

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Homason Analyst

Review

Juli Thompson Printed

### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	17	Date Reported:	10/12/2007
Sample ID:	Bottom @5' BGS, Pit #1	Date Sampled:	8/4/2007
Sample Matrix:	Soil	Date Analyzed:	8/4/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons9925.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Juli Thompson Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	18	Date Reported:	10/12/2007	
Sample ID:	Southeast Sidewall, Pit #1	Date Sampled:	8/4/2007	
Sample Matrix:	Soil	Date Analyzed:	8/4/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Homoson Analyst

Review

Juli Thompson Printed

## NVIROTEC

### CONTINUOUS CALIBRATION **EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS**

Cal. Date:	4-Aug-07		
Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
трн	100 200 500 1000	209	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Homoson Analyst

Date

Juli Thompson Print Name

AA Hayrico Review

10/15/07 Date

Nicole Hayworth Print Name
#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	19	Date Reported:	10/15/2007
Sample ID:	Outside Pad, Pad #2	Date Sampled:	8/6/2007
Sample Matrix:	Soil	Date Analyzed:	8/6/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,140	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Greg Crabtree Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No.:	20	Date Reported:	10/15/2007	
Sample ID:	Under Pad, Pad #2	Date Sampled:	8/6/2007	
Sample Matrix:	Soil	Date Analyzed:	8/6/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	44	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Greg Crabtree Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	21	Date Reported:	10/15/2007	
Sample ID:	Bottom @1' BGS, Pad #2	Date Sampled:	8/6/2007	
Sample Matrix:	Soil	Date Analyzed:	8/6/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

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

Total Petroleum Hydrocarbons 116 5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Nical Haynes

Greg Crabtree Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No.:	22	Date Reported:	10/15/2007	
Sample ID:	South Wall, Pad #2	Date Sampled:	8/6/2007	
Sample Matrix:	Soil	Date Analyzed:	8/6/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	148	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

alt

Analyst

annen

Review

Nicole Hayworth Printed

Greg Crabtree Printed

40

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No.:	23	Date Reported:	10/15/2007
Sample ID:	West Wall, Pad #2	Date Sampled:	8/6/2007
Sample Matrix:	Soil	Date Analyzed:	8/6/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons 264 5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

**Greg Crabtree** Printed

Review

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	24	Date Reported:	10/15/2007	
Sample ID:	East Wall, Pad #2	Date Sampled:	8/6/2007	
Sample Matrix:	Soil	Date Analyzed:	8/6/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	116	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Greg Crabtree Printed

# NVIROTECH

#### **CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS**

Cal. Date:	6-Aug-07		
Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
трн	100 200 500 1000	200	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

It.

Analyst

**Greg Crabtree** Print Name

Review

10/15/07 Date

Nicole Hayworth Print Name

10/15/07 Date

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	25	Date Reported:	10/15/2007	
Sample ID:	Bottom @ 5' BGS, Pad #4	Date Sampled:	9/19/2007	
Sample Matrix:	Soil	Date Analyzed:	9/19/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

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

Total Petroleum Hydrocarbons	16	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

WIND Analyst

Catt Review

Nicole Hayworth Printed

**Greg Crabtree** Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No.:	26	Date Reported:	10/15/2007
Sample ID:	North Wall, Pad #4	Date Sampled:	9/19/2007
Sample Matrix:	Soil	Date Analyzed:	9/19/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	76	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Cit Review

Nicole Hayworth Printed

Greg Crabtree Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	27	Date Reported:	10/15/2007
Sample ID:	South Wall, Pad #4	Date Sampled:	9/19/2007
Sample Matrix:	Soil	Date Analyzed:	9/19/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

a the state of the		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons1925.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

annat Analyst

Mug Calt Review

**Greg Crabtree** Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	28	Date Reported:	10/15/2007	
Sample ID:	East Wall, Pad #4	Date Sampled:	9/19/2007	
Sample Matrix:	Soil	Date Analyzed:	9/19/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	440	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

centra Analyst

Review

Nicole Hayworth Printed Greg Crabtree Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No .:	29	Date Reported:	10/15/2007
Sample ID:	West Wall, Pad #4	Date Sampled:	9/19/2007
Sample Matrix:	Soil	Date Analyzed:	9/19/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons605.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

**Greg Crabtree** Printed

### NIROTECH TICAL

#### **EPA METHOD 418.1** TOTAL PETROLEUM **HYDROCARBONS**

Client:	Chevron	Project #:	92270-155	
Sample No.:	30	Date Reported:	10/15/2007	
Sample ID:	Bottom @ 4' BGS, Meter House	Date Sampled:	9/19/2007	
Sample Matrix:	Soil	Date Analyzed:	9/19/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Concentration	Limit
(ing/kg)	(ilig/kg)
	Concentration (mg/kg)

**Total Petroleum Hydrocarbons** 5.0 96

ND = Parameter not detected at the stated detection limit.

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

Comments: **Rincon Lateral #4 Compressor Station** 

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Printed

Cut Review

Nicole Hayworth

Greg Crabtree Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155
Sample No.:	31	Date Reported:	10/15/2007
Sample ID:	North Wall, Meter House	Date Sampled:	9/19/2007
Sample Matrix:	Soil	Date Analyzed:	9/19/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons 20 5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

War Analyst

Review

Greg Crabtree Printed

50

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

evron	Project #:	92270-155	
	Date Reported:	10/15/2007	
uth Wall, Meter House	Date Sampled:	9/19/2007	
1	Date Analyzed:	9/19/2007	
ol	Analysis Needed:	TPH-418.1	
ol and Intact			
	evron uth Wall, Meter House I ol ol and Intact	evron Project #: Date Reported: Date Sampled: Date Analyzed: Date Analyzed: Ol Analysis Needed: Ol and Intact	evron Project #: 92270-155 Date Reported: 10/15/2007 uth Wall, Meter House Date Sampled: 9/19/2007 Date Analyzed: 9/19/2007 ol Analysis Needed: TPH-418.1 ol and Intact

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Mug Calt Review

**Greg Crabtree** Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	33	Date Reported:	10/15/2007	
Sample ID:	West Wall, Meter House	Date Sampled:	9/19/2007	
Sample Matrix:	Soil	Date Analyzed:	9/19/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

CAL Review

Nicole Hayworth Printed Greg Crabtree Printed

#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron	Project #:	92270-155	
Sample No .:	34	Date Reported:	10/15/2007	
Sample ID:	East Wall, Meter House	Date Sampled:	9/19/2007	
Sample Matrix:	Soil	Date Analyzed:	9/19/2007	
Preservative:	Cool	Analysis Needed:	TPH-418.1	
Condition:	Cool and Intact			

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

Total Petroleum HydrocarbonsND5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: Rincon Lateral #4 Compressor Station

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Review

Greg Crabtree Printed

# NIROTEC

#### **CONTINUOUS CALIBRATION** EPA METHOD 418.1 TOTAL PETROLEUM **HYDROCARBONS**

Cal. Date:	19-Sep-07		
Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
трн	100 200 500 1000	199	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst

Nicole Hayworth Print Name

Review

10/15/07 Date

10/15/07

Date

**Greg Crabtree** Print Name

### ENVIROTECH LABS

#### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-155	
Sample ID:	MH North Wall	Date Reported:	09-20-07	
Laboratory Number:	43109	Date Sampled:	09-19-07	
Chain of Custody:	3406	Date Received:	09-19-07	
Sample Matrix:	Soil	Date Analyzed:	09-20-07	
Preservative:	Cool	Date Extracted:	09-19-07	
Condition:	Cool & Intact	Analysis Requested:	BTEX	

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	1.7	0.9	
Toluene	20.5	1.0	
Ethylbenzene	14.7	1.0	
p,m-Xylene	144	1.2	
o-Xylene	10.6	0.9	
Total BTEX	192		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery	
	Fluorobenzene	97.0 %	
	1,4-difluorobenzene	97.0 %	
	Bromochlorobenzene	97.0 %	•

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Analyst

)acters Review

#### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-155
Sample ID:	MH Bottom	Date Reported:	09-20-07
Laboratory Number:	43110	Date Sampled:	09-19-07
Chain of Custody:	3406	Date Received:	09-19-07
Sample Matrix:	Soil	Date Analyzed:	09-20-07
Preservative:	Cool	Date Extracted:	09-19-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter Benzene Toluene Ethylbenzene p.m-Xvlene	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	1.1	0.9	
Toluene	3.4	1.0	
Ethylbenzene	1.1	1.0	
p,m-Xylene	31.2	1.2	
o-Xylene	6.5	0.9	
Total BTEX	43.3		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
Shall I have a star	Bromochlorobenzene	97.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Analyst

mistring Dalter Review

#### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:	N/A 09-20-BTEX QA/0 43107 Soil N/A N/A	QC	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis:		N/A 09-20-07 N/A N/A 09-20-07 BTEX			
Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.			
Detection Limits (ug/L)	alibration and I-Cal RF: Detection Limits (ug/L)		ange 0 - 15%	Conc	Limit			
Benzene	1.2667E+008	1.2692E+008	0.2%	ND	0.1			
Toluene	1.1332E+008	1.1355E+008	0.2%	ND	0.1			
Ethylbenzene	9.1262E+007	9.1445E+007	0.2%	ND	0.1			
p,m-Xylene	1.7949E+008	1.7985E+008	0.2%	ND	0.1			
o-Xylene	8.6457E+007	8.6630E+007	0.2%	ND	0.1			

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	94.3	94.2	0.1%	0 - 30%	0.9
Toluene	204	203	0.3%	0 - 30%	1.0
Ethylbenzene	532	531	0.1%	0 - 30%	1.0
p,m-Xylene	3,200	3,190	0.3%	0 - 30%	1.2
o-Xylene	363	362	0.2%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	94.3	50.0	144	99.8%	39 - 150
Toluene	204	50.0	253	99.7%	46 - 148
Ethylbenzene	532	50.0	581	99.8%	32 - 160
p,m-Xylene	3,200	100	3,290	99.7%	46 - 148
o-Xylene	363	50.0	412	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996. Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 43107, 43109 - 43116

Analyst

"Misting Walters Review

### CHAIN OF CUSTODY RECORD

Sa	CHEVRON     LATERAL       lient Address:     Sampler Name:																	
AND INC.	U. HAY		3015)	8021)	8260)	S												
CI	ient No.: 92270	-155			Aethod 8	(Method	Method 8	8 Metals	/ Anion		with H/P		118.1)				e Cool	e Intact
Sample Time	Lab No.	Sample Matrix	No./Volun of Containe	ne Preserva rs HqCl <sub>2</sub> HNO <sub>3</sub>	tive HdL	BTEX	VOC (N	RCRA	Cation	RCI	TCLP	PAH	TPH (4				Sampl	Sampl
	43109	SOIL	1			×			7								/	~
	43110	SOTL	1			X	100										~	1
																	22	
									3									
	1 di mal	a stal																
12															-			
1																	1	
			142									anti Galia						1
no	$\overline{\bigcirc}$	0	Date 9/19/07	Time 1225	Recei	ved by:	(Signa	ature)	SV.	ul	el				4	Date	123	ime 25
					Recei	ved by:	(Signa	ature)						an Alla Starting				
	Sample	Sample Time Lab No. 43109 43110	P222-0-155 Sample Time Lab No. Sample Matrix 43109 Sort 43110 Sort 43110 Sort 4310 Sort 4310 Sort 4310 Sort 4310 Sort 6	P222-0-165 Sample Lab No. Sample Mo./Volur Matrix Containe 43109 Sort 1 43110 Sort 1 43110 Sort 1 0 0 0 0 0 0 0 0 0 0 0 0 0	P22270-165 Sample Lab No. Sample Mo./Volume Preserva of Containers Here's HNOs H3109 Sort 1 H3110 Sort 1 H3110 Sort 1 H310 Sort 1 Date Time 09/19/67 1225	Other Preservative of Containers Preservative H402b H400s   H3109 Sost 1 1 1   H3100 Image:	Other No 922290-165   Sample Time Lab No. Sample Matrix No./Volume of Containers Preservative Had Had   43109 Social 1 - X   43110 Social 1 - X   43109 Social 1 - X   43109 Social 1 - X   4310 Social 1 - -   4310 Social 1 - -   50 Social 1 - -   1 1 1 1 1 -   1 1 1 1 1 1   1 1 1 1 1 1   1 1 1 1 1 1 <td< td=""><td>Other Not. 92220-165   Sample Time Lab No. Sample Matrix No./Volume of Containers Preservative of Containers With the Preservative of Containers   43109 Sort 1 X   43110 Sort 2 4   Base 1 X   Base 1 1   Base <th1< th=""> 1   Base</th1<></td><td>Alternative No./Volume Preservative Alternative Alte</td><td>Image: No   Product with the second diagram of the second diagr</td><td>Other Hut   92230-165   output for the servative of containers   <thoutput for="" serva<="" td="" the=""><td>Oten No   922-20-155   organization   <thocdocurrentinsteastion< th=""></thocdocurrentinsteastion<></td><td>Other No   922-20-165   00   0</td><td>Other No     922-20-155   off   Preservative   off   off&lt;</td><td>Image: Picture of containers   No.Volume of containers   Presentative of containers   No.Volume of conta</td><td>Open No   Processor   Open No   Open No</td><td>Off No.     Processante     Time   Lab No.   Sample   No. Volume   Preservative   No.   No.   Preservative   No.   No.   Preservative   No.   <th< td=""><td>Open No.   Sample   No./Volume   Presentative   Open No.   Sample No./Volume   Presentative of Social and Socia</td></th<></td></thoutput></td></td<>	Other Not. 92220-165   Sample Time Lab No. Sample Matrix No./Volume of Containers Preservative of Containers With the Preservative of Containers   43109 Sort 1 X   43110 Sort 2 4   Base 1 X   Base 1 1   Base <th1< th=""> 1   Base</th1<>	Alternative No./Volume Preservative Alternative Alte	Image: No   Product with the second diagram of the second diagr	Other Hut   92230-165   output for the servative of containers   output for the servative of containers <thoutput for="" serva<="" td="" the=""><td>Oten No   922-20-155   organization   <thocdocurrentinsteastion< th=""></thocdocurrentinsteastion<></td><td>Other No   922-20-165   00   0</td><td>Other No     922-20-155   off   Preservative   off   off&lt;</td><td>Image: Picture of containers   No.Volume of containers   Presentative of containers   No.Volume of conta</td><td>Open No   Processor   Open No   Open No</td><td>Off No.     Processante     Time   Lab No.   Sample   No. Volume   Preservative   No.   No.   Preservative   No.   No.   Preservative   No.   <th< td=""><td>Open No.   Sample   No./Volume   Presentative   Open No.   Sample No./Volume   Presentative of Social and Socia</td></th<></td></thoutput>	Oten No   922-20-155   organization   organization <thocdocurrentinsteastion< th=""></thocdocurrentinsteastion<>	Other No   922-20-165   00   0	Other No     922-20-155   off   Preservative   off   off<	Image: Picture of containers   No.Volume of containers   Presentative of containers   No.Volume of conta	Open No   Processor   Open No   Open No	Off No.     Processante     Time   Lab No.   Sample   No. Volume   Preservative   No.   No.   Preservative   No.   No.   Preservative   No.   No. <th< td=""><td>Open No.   Sample   No./Volume   Presentative   Open No.   Sample No./Volume   Presentative of Social and Socia</td></th<>	Open No.   Sample   No./Volume   Presentative   Open No.   Sample No./Volume   Presentative of Social and Socia

3406

### **ENVIROTECH LABS**

RACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS

Client:	Chevron Texaco	Project #:	92270-155
Sample ID:	Composite	Date Reported:	08-03-07
Laboratory Number:	42628	Date Sampled:	08-01-07
Chain of Custody:	3107	Date Received:	08-01-07
Sample Matrix:	Soil	Date Analyzed:	08-03-07
Preservative:	Cool	Date Digested:	08-02-07
Condition:	Intact	Analysis Needed:	Total Metals
		Det.	TCLP Regulatory
Parameter	Concentration (mg/Kg)	Limit (mg/Kg)	Level (mg/Kg)
Arsenic	0.048	0.001	5.0
Barium	4.94	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.445	0.001	5.0
Lead	0.312	0.001	5.0
Mercury	0.003	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 Spectroscopy, SW-846, USEPA, December 1996.

Note:

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

Comments:

Lateral #4 Compressor #1

Analyst

Unister Wates Review

### ENVIROTECH LABS

#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:		QA/QC		Project #:			QA/QC				
Sample ID:		08-03 TM C	A/AC	Date Repor	ted:		08-03-07				
Laboratory Number:		42627		Date Sampl	ed:		N/A				
Sample Matrix:		Soil		Date Receiv	ved:		N/A				
Analysis Requested:		Total RCRA	A Metals	Date Analyz	zed:		08-03-07				
Condition:		N/A		Date Digest	ed:	08-02-07					
Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/Kg)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range				
Arsenic	ND	ND	0.001	0.114	0.117	2.6%	0% - 30%				
Barium	ND	ND	0.001	3.33	3.30	0.9%	0% - 30%				
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%				
Chromium	ND	ND	0.001	0.313	0.317	1.3%	0% - 30%				
Lead	ND	ND	0.001	0.148	0.152	2.7%	0% - 30%				
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%				
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%				
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%				
Spike		Spike	Sample	Spiked	Percent		Acceptance				
Conc. (mg/Kg)		Added		Sample	Recovery		Range				
Arsenic		0.500	0.114	0.612	99.7%		80% - 120%				
Barium		0.500	3.33	3.84	100.3%		80% - 120%				
Cadmium		0.500	ND	0.499	99.8%		80% - 120%				
Chromium		0.500	0.313	0.81	99.9%		80% - 120%				
Lead		0.500	0.148	0.65	100.2%		80% - 120%				
Mercury		0.500	ND	0.499	99.8%		80% - 120%				
Selenium		0.500	ND	0.498	99.6%		80% - 120%				
Silver		0.500	ND	0.500	100.0%		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 42627 - 42629, 42639

Analyst

Wester mulales Review

60

### CHAIN OF CUSTODY RECORD

3107

Client: Project Name / Location: Chevron Texaco Lateral #4							1.4		ANALYSIS / PARAMETERS							2	आग ह					
Client Address: 322 CR 3	100		Sampler Name: G. Crabt	ree				3015)	8021)	8260)	S											
Client Phone No.: 325-2657			Client No.: 922-70-155					Method	(Method	Method a	8 Metals	/ Anion		with H/P		(118.1)					e Cool	e Intact
Sample No./ Identification	Sample Date	Samp Time	Lab No.	Sample Matrix	No./Volume of Containers	Preserv	vative	TPH (N	втех	VOC (I	RCRA	Cation	RCI	TCLP	PAH	TPH (4					Sampl	Sampl
Composite	8/107	1630	42628	50:1	1-402						X					2	4				/	1
					0									4							3	
in the second																						
																						100
Relinquished by: (Signature) Relinquished by: (Signature)					R	Received by: (Signature) D Musture Walters 8/1 Received by: (Signature)									D 8/1	ate /07	Tir [9	ne 30				
Relinquished by: (Signature)							R	leceive	ed by:	(Signa	ature)										10	
	3			Ē		RC	)T	EC	H		nC											
			579	6 U.S. Hig	hway 64 · I	Farming	gton,	New	Mexic	0 8740	01 • (50	05) 632	2-0615									

### **ENVIROTECH LABS**

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-155
Sample ID:	Stockpile - Pad 1	Date Reported:	08-06-07
Laboratory Number:	42652	Date Sampled:	08-02-07
Chain of Custody:	3116	Date Received:	08-03-07
Sample Matrix:	Soil	Date Analyzed:	08-06-07
Preservative:	Cool	Date Digested:	08-03-07
Condition:	Intact	Analysis Needed:	Total Metals
		Det.	TCLP Regulatory
Parameter	Concentration (mg/Kg)	Limit (mg/Kg)	Level (mg/Kg)
Arsenic	0.018	0.001	5.0
Barium	2.82	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.503	0.001	5.0
Lead	0.330	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 Spectroscopy, SW-846, USEPA, December 1996.

Note:

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

Comments:

Lateral #4 Compressor

Analyst

Mistere Maeters Review

### **ENVIROTECH LABS**

#### PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client		OA/OC		Project #:			QA/QC
Sample ID:		08-06 TM Q	A/AC	Date Report	ed:		08-06-07
Laboratory Number:		42646		Date Sample	ed:		N/A
Sample Matrix:		Soil		Date Receiv	ved:		N/A
Analysis Requested:		Total RCRA	Metals	Date Analyz	ed:		08-06-07
Condition:	•	N/A	, motorio	Date Digest	ed:		08-03-07
Blank & Duplicate	Instrument	Method	Detection	Sample	Duplicate	%	Acceptance
Conc. (mg/Kg)	Blank (mg/Kg)	Blank	Limit			Diff.	Range
Arsenic	ND	ND	0.001	0.235	0.230	2.1%	0% - 30%
Barium	ND	ND	0.001	0.986	0.981	0.5%	0% - 30%
Cadmium	ND	ND	0.001	0.016	0.016	0.0%	0% - 30%
Chromium	ND	ND	0.001	1.04	1.07	2.9%	0% - 30%
Lead	ND	ND	0.001	0.622	0.628	1.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Spike		Spike	Sample	Spiked	Percent		Acceptance
Conc. (mg/Kg)		Added		Sample	Recovery		Range
Arsenic		0.500	0.235	0.733	99.7%		80% - 120%
Barium		0.500	0.986	1.48	99.6%		80% - 120%
Cadmium		0.500	0.016	0.515	99.8%		80% - 120%
Chromium		0.500	1.04	1.53	99.4%		80% - 120%
Lead		0.500	0.622	1.12	99.8%		80% - 120%
Mercury		0.500	ND	0.498	99.6%		80% - 120%
Selenium		0.500	ND	0.497	99.4%		80% - 120%
Silver		0.500	ND	0.499	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 42646 - 42647, 42652

Delieur Analyst

Christin Natter Review

### CHAIN OF CUSTODY RECORD

Client:			Project Name / Lo	cation:		1				1992		ANA	IVSIS		BAME	TERS			19		
CHEVRON			LATERAL #	46	MARES	SOR		Sec.				7414			U UVIL	T EI IO					
Client Address:			Sampler Name:				5	21)	(0		1	1.			THE SE						
		5.00	J. THOMA	noc	Ser Se	meri	R01	1 80	826	S			0			1					
Client Phone No.:	4.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Client No.:	1.16	R. SAN	14	por	thoc	poq	leta	nion		H		(F)	1				100	Itact
			92270-1	SS			Meth	(Me	Met	8 0	I/A	No.	with		418		1	12.4		le O	le Ir
Sample No./ Identification	Sample Date	Samp Time	Lab No.	Sample Matrix	No./Volum of Container	Preserve	Hal	BTEX	VOC (	RCRA	Cation	RCI	TCLP	PAH	ТРН (					Samp	Samp
SECKPILE - PADI	2-Aug	اله4	42652 4 <del>2650</del> a	Soa	. 1-4	5Z				X						7				~	/
Relinquished by: (Sign	ature)		<u> 10.60</u>	10	Date	Time	Rece	ived by	(Sign	ature)	M	h	)ae	te	•		4	8/	Date 3/07	TI 8:	ime 52
Pennquisried by. (Sign	aure)						Tece	ived by	. (Sign	alure)											
Relinquished by: (Sign	ature)		( Berlin				Rece	ived by	: (Sign	ature)				1		i de		5	4		
			5790	6 U.S. Hig	ENV ghway 64 ·	<b>RO</b> Farming	TE iton, Ne	CH w Mexi	<b>1  </b> co 874	01 · (50	05) 63	2-061	5		The second				-		

3116

### Envirotech Labs

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-155
Sample ID:	Compressor #2	Date Reported:	08-08-07
Laboratory Number:	42662	Date Sampled:	08-06-07
Chain of Custody:	3122	Date Received:	08-06-07
Sample Matrix:	Soil	Date Analyzed:	08-08-07
Preservative:	Cool	Date Digested:	08-07-07
Condition:	Intact	Analysis Needed:	Total Metals
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
	0.050		
Arsenic	0.059	0.001	5.0
Barium	6.58	0.001	100
Cadmium	0.005	0.001	1.0
Chromium	0.219	0.001	5.0
Lead	0.403	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 Spectroscopy, SW-846, USEPA, December 1996.

Note:

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

Comments:

Analyst

Christine Walters

### ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-155	
Sample ID:	Compressor #3	Date Reported:	08-08-07	
Laboratory Number:	42663	Date Sampled:	08-06-07	
Chain of Custody:	3122	Date Received:	08-06-07	
Sample Matrix:	Soil	Date Analyzed:	08-08-07	
Preservative:	Cool	Date Digested:	08-07-07	
Condition:	Intact	Analysis Needed:	Total Metals	
Parameter	Concentration	Det. Limit (mg/Kg)	TCLP Regulatory Level	
Arsenic	0.067	0.001	5.0	
Barium	7.30	0.001	100	
Cadmium	0.003	0.001	1.0	
Chromium	0.280	0.001	5.0	
Lead	0.347	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 Spectroscopy, SW-846, USEPA, December 1996.

Note:

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

Comments:

Analyst

Mister m Walters Review

### ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

#### TRACE METAL ANALYSIS

Client:	Chevron	Project #:	92270-155
Sample ID:	Compressor #4	Date Reported:	08-08-07
Laboratory Number:	42664	Date Sampled:	08-06-07
Chain of Custody:	3122	Date Received:	08-06-07
Sample Matrix:	Soil	Date Analyzed:	08-08-07
Preservative:	Cool	Date Digested:	08-07-07
Condition:	Intact	Analysis Needed:	Total Metals
		Det.	TCLP Regulatory
Parameter	Concentration (mg/Kg)	Limit (mg/Kg)	Level (mg/Kg)
Arsenic	0.053	0.001	5.0
Barium	7.49	0.001	100
Cadmium	0.002	0.001	1.0
Chromium	0.344	0.001	5.0
Lead	0.298	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 Spectroscopy, SW-846, USEPA, December 1996.

Note:

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

Comments:

Analyst

Mistine Muaeters Review

#### TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

0.1							4
Client:		QA/QC		Project #:			QA/QC
Sample ID:		08-08 TM C	QA/AC	Date Repor	ted:		08-08-07
Laboratory Number:		42662		Date Sampl	ed:		N/A
Sample Matrix:		Soil		Date Receiv	ved:		N/A
Analysis Requested:		Total RCRA	Metals	Date Analyz	zed:		08-08-07
Condition:		N/A		Date Digest	ed:		08-07-07
Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/Kg)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.059	0.059	0.0%	0% - 30%
Barium	ND	ND	0.001	6.58	6.55	0.5%	0% - 30%
Cadmium	ND	ND	0.001	0.005	0.005	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.219	0.216	1.4%	0% - 30%
Lead	ND	ND	0.001	0.403	0.406	0.7%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Spike	ALC: CONTRACTOR	Spike	Sample	Spiked	Percent		Acceptance
Conc. (mg/Kg)		Added		Sample	Recovery		Range
Arsenic		0.500	0.059	0.557	99.6%		80% - 120%
Barium		0.500	6.58	7.06	99.7%		80% - 120%
Cadmium		0.500	0.005	0.504	99.8%		80% - 120%
Chromium		0.500	0.219	0.717	99.7%		80% - 120%
Lead		0.500	0.403	0.901	99.8%		80% - 120%
Mercury		0.500	ND	0.501	100.2%		80% - 120%
Selenium		0.500	ND	0.498	99.6%		80% - 120%
Silver		0.500	ND	0.497	99.4%		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 42662 - 42664

Analyst

Review Review

### CHAIN OF CUSTODY RECORD

Client: Chevron			Project Name / Lo Lateral #	$\frac{1}{4}$									ANA	LYSIS	/ PAF	RAMET	FERS					
Client Address:			Sampler Name:	The second	1. 1. M.	- The		5)	21)	(0)												
P.0 Box 1280	1		G. Crabba	oe		2		801	d 80	826	S		1	a	2.0		0	2			T.S.	t.
Client Phone No.:			Client No.: 92270-15	5				Aethod	(Methor	Method	8 Meta	/ Anion		with H/F		418.1)					e Cool	e Intact
Sample No./ Identification	Sample Date	Samp Time	Lab No.	Sample Matrix	No./Volum of Container	e Pres	ervative	TPH (A	BTEX	VOC (I	RCRA	Cation	RCI	TCLP	PAH	TPH (4					Sampl	Sampl
compressor #2	8/667	1\$30	42662	50:1	1-402		~				V											
Compressor #3		1500	42663								1										1	
Compressor #4	2	1510	42664		1						1				-							
																					12	
1100													100									
Constant and the second se																						
Relinquished by: (Sign	ature)	七		8	Date	Tim 5171		Beceive	P	(Sign	ature)	n	an	l	L				8/6	Date	Ti /7	me ! <b>0</b>
Relinquished by: (Sign	lature)							Receive	ed by:	(Signa	ature)											
Relinquished by: (Sign	lature)							Receive	ed by:	(Signa	ature)					and the second s						
and the second			No.	E		R	TC	EC	Ж	Ir	nc		6 <sup>-1</sup> 1.	1								
			5790	6 U.S. Hig	hway 64 •	Farm	ingtor	n, New	Mexic	0 8740	01•(50	)5) 63	2-0615									

#### APPENDIX C

**Bills of Lading** 

#### ENVIROTECH INC. 28583 **Bill of Lading** MANIFEST # DATE 9-19-02 JOB # 92270-170-040 PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 LOAD COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY NO POINT OF ORIGIN DESTINATION MATERIAL GRID YDS COMPANY BBLS TRK# TIME DRIVER SIGNATURE Chevron rant 25 11:30 Fely Smith D-13 12 221 Rinwa PAD#4 LFZ Soil 22 13.52 C-S 2 11 D-13 20 11 11 L+L 25 1600 2.0 3 しきし 12 11 11 11 D-13 (1) (2) <259 <275 Chloride test 3 Paint filter test 3 "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." COMPANY #25 LQ-L oil Ser SIGNATURE Fole Suetta NAME FELIX DMITH Kuss Knight COMPANY CONTACT PHONE DATE 9-19-07

### ENVIROTECH INC.

### **Bill of Lading**

28414

MANIFEST #

LOAD	COM	PLETE DESCRIPT	TRANSPORTING COMPANY								
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGN	ATURE
1	Madhy Pafi	LFZ	can x Doil	17-13	12		Doug Fautz Construction	834	8:30	Nothis L.	Hear
	Rincon Lateral 4 Pad 4				12						
				270							
							100 - 100 -				
										,	for the second second
	011			2					25	112	
:275	Chloride test Paint filler test	1					ENTE	RED	AUG 2	72007 100	13010
#### Bill of Lading

MANIFEST # _	28310
	7.07 JOB # 92270-153

LOAD	COM	PLETE DESCRIPT	TION OF SHIPMEN	NT			TRANSP	ORTING	COMPA	٧Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Rincon Interal	LFL	Carsoil	2-4	10	70	(4)	22	1635	weeks really
	Hy Pasti								1073	
										,
2	11	4	4	7-4	8		141	22	11.25	- duto
	and the second				10				103-	
					18					
										34817
275	Chloride test	2							INTER	RED ANG A 9 2007
	Paint filter test	2								
	1									nonexast
"I certify and that	the material hauled from the no additional materials have	e above location ha	as not been added	to or mixe	d with, and	is the sa	me material receiv	ed from t	he above	e mentioned Generator,
NAME	MERARO LI	412	COMPANY	LHZ			SIGNATU		ne	ant S
COMPAN san juan reprode	Lotion 578-126	Kass K.	PHONE	art art			DATE	5/7/	7	

#### Bill of Lading

MANIFEST # 28591 DATE 9-20-07 JOB #92270-170-040

LOAD	COM	IPLETE DESCRIPTI	ETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY							NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1-	RiviCon Lat	En l'	Cent So	il E-1	20	6	the TRKS	22	1205	cfler,
2	# 4 11	100	11	E-11/	2		4 4	11 1	220	FolerSmt
3	(1		И	E-11 0	20		11	221	1645	(S.Sex
	<u> </u>			-	52					
			The fight							
75	Chloride test	3	18.54							
	Paint filter test	3							13	
'I certify and tha NAME	the material hauled from the tron additional materials have C.J. Sanders	ne above location ha ve been added."	s not been adde	ed to or mixe	d with, and	l is the sa	me material rece SIGNAT	ived from t	he abov	e mentioned Generator,

#### **Bill of Lading**

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

MANIFEST # 28316 DATE 8807 JOB #92270-153

LOAD	COMI	PLETE DESCRIPT	TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Chevron Tex Laterel 114	LŦZ	cont Seil	2-4	20		14L	22	2:37	averlas Prode
4.7	Charles a 1				20					
5.0	A SHEAR S				a					
								194		
	The strength	den a.			- Company				40	
-										
			3	N ST						
			<u> </u>		1		6	1		
				7 2				Constant of		
275	Chloride test	<u>A</u>		1						21029
	Paint filter fast	1'								31101
									ENTE	
"I certify and that	the material hauled from the no additional materials have	e above location ha	as not been adde	d to or mixed	d with, and	is the sa	me material receiv	ed from t	he above	e mentioned Generator, m
COMPAN san juan reprod	NY CONTACT	racit	PHONE				SIGNATU	880	>7	×17/3010

#### **Bill of Lading**

28331

MANIFEST #

LOAD	COMF	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE		
1-	Baun Court Latera	14#2	ContSoil	4.5	10		ich TRKS	19	805	Anduho		
	#4				IN							
					10							
				and the second								
	19 2 3 3											
		A State										
1. AN					States of							
					The second		14					
275	Chloride test	1								35101		
	Paunt filter test	1						ENT	ERED	AUG 1 6 2017 eng		
I certify and that NAME	the material hauled from the no additional materials have CIERARD	e above location has been added."	as not been adde COMPANY	d to or mixe	od with, and $DZ(\overline{F})$	d is the sar	ne material receiv		he above	e mentioned Generato		

#### **Bill of Lading**

28374

DATE 8-16-07 JOB # 92270-153

MANIFEST #

LOAD	СОМ	PLETE DESCRIPT	TRANSPO	RTING	COMPAN	٩Y				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Pinicon Latere	(de) CF2	Cent Soil	RIJ	10	-	hit service	19	1630	Deralit
4					10					
					10					
-		and a start				and the second				
-										
	a state and the								and and a second se	
										25129
< 275	Chloride test	1								JAL
	Paint filter test	1							ENT	TERED AUG 1 7 2007
										nenexerio
"I certify and that NAME	the material hauled from the no additional materials hav	e above location have been added."	as not been added	to or mixe	d with, and $\mathcal{O}: \mathcal{O}: \mathcal{O}$	l is the sa	SIGNATUR	d from t	he above	e mentioned Generator,
COMPAN san juan reprod	NY CONTACT Clever	KNight	PHONE					-/16	17	RIT

#### ENVIROTECH INC. 28379 **Bill of Lading** MANIFEST # DATE 8-17-07 JOB # 92270-153 PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 LOAD COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY NO. POINT OF ORIGIN DESTINATION MATERIAL GRID YDS BBLS COMPANY TRK# TIME DRIVER SIGNATURE 31 Cantsoil union lateral #1/ 42 113 10 19 Tuicas (NAD#2 1275 Chloride test Paint filter test ENTERED AUG 2 "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." COMPANY LTZ Dilliekt Scince GERAKO WHITE SIGNATURE Luch NAME COMPANY CONTACT LUSS Knight PHONE DATE

herson

### **Bill of Lading**

MANIFEST #

28386

Star Strands Haust	COMP	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER	SIGNATURE	
IR	incon lateral	(F2	Controll	Qis	10	+	646	19	1200	Du	Steet	
#	4 pad #2									10		
2	11	4	l	Q13	10		L+L	19	165	o L	aluto	
				-	20							
									25	2	08	
75 (	hloride test	2 -									- 0-	
Pa	buit filter test	2						EN	ITERE	D AUG 3	2 5 2007 ×	
		-	and the second s			A 4				N	onex 1/3010	

#### **Bill of Lading**

MANIFEST #

DATE 8-15-07 JOB # 92270-153

28362

LOAD	COMI	PLETE DESCRIPT	TION OF SHIPME	ENT			TRANSPO	RTING	COMPAN	IY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
Junian ;	CHEVRON-TEXICO	BF	SLUNGE	R'13		15	SEAT HUT WOS	( 113	1440	- Hulmille -
			and the second	0 1 2		Th				
						P				
				1 1 1 2 2			and the second			
15.12	The second shaft	A. 19					A CARLES			
					a de la companya de					
						-			1999	
							-			
275	Chloride test	1							2	5134
	Paint filter test	part and	-							
	The second second	1			nia da anti-				CHI	RED AUG 1 7 200
"I certify and that	the material hauled from the no additional materials have	e above location h e been added."	as not been adde	ed to or mixed	d with, and	d is the sa	ame material receive	ed from t	ENTI he above	RED AUG 179

OAD	* COM	PLETE DESCRIPTI	ION OF SHIPMEN	IT			TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
]	Chavion Tex Lateral . # 4	13 \$ <sup>+</sup>	Studge			30	Sect	413	10:45	Huberty	
	Kincon			J. K		30					
	30	8									
Sec. 1											
										34700	
18	Chloride test	1		in the second se							
	Paint filter fest	/						ENT	ERED	AUG 0 8 2007 x cx	

and the second second

and the second

#### **Bill of Lading**

MANIFEST #	28242
DATE 07-30-07	JOB # <u>92270-15</u>

LOAD	COM	IPLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSP	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
River	Cateral #4	BF .	Studge			30	Sett -	413,	1205	Hutuni
						20				
				1.3		~				
	Constant Sheep									
							41			
<u>   35</u>										
-										and the second
										-71-
									21	310
259	Chloride test	1							5	1 2007
	Paint filter fest	1					and the second se			DED JUL " not
	Land turned bee		•					1	ENTE	nexer. 1
"I certify and tha NAME	the material hauled from the transfer to additional materials have the transfer to a difference of the transfer to a differenc	ne above location have been added."	IS NOT been added	to or mixed	d with, and	l is the sa	me material receiv	ved from t	he above	e mentioned Generator,
COMPA	NY CONTACT Mike	Drexer	PHONE 37	0-79	549		DATE 4	TINL	30	,2007
san juan reproc	duction 578-126	1			-			1000 7	~	13