

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Williams Production	Contact Michael K. Lane
Address PO Box 640	Telephone No. 505-634-4219
Facility Name Jicarilla 92 #016 (API: 30-039-22500)	Facility Type Well Site

Surface Owner Tribal	Mineral Owner Tribal	Lease No.
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LOCATION OF RELEASE

Unit Letter E	Section 30	Township 27 N	Range 03W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Produced Water & Condensate	Volume of Release ~20 bbl	Volume Recovered ~None
Source of Release Storage Tank Frozen drain valve	Date and Hour of Occurrence 3/30/09 >12:00 AM	Date and Hour of Discovery Same
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? RCVD JUN 8 '09	
By Whom?	Date and Hour OIL CONS. DIV.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. DIST. 3	

If a Watercourse was Impacted, Describe Fully. **No water course reached.**

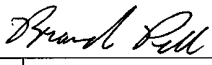
Describe Cause of Problem and Remedial Action Taken.

Drain valve to storage tank cracked due to freezing conditions. Leaked water and condensate to ground immediately adjacent to tank. Water and product soaked into soils.

Upon discovery, 5 gallon bucket set under valve and valve packing tightened until tank could be drained and valve replaced. Arrangements to assess extent of contamination, excavate contaminated soils for offsite disposal, backfill excavation being scheduled. Upon completion revised report with sample results and disposal documents will be submitted.

Describe Area Affected and Cleanup Action Taken. **Excavation initiated April 9 and completed around April 23. Encountered former reserve pit area. Removed approximately 1050 cy for offsite disposal at Envirotech Landfarm NMOCD Permit #NM-01-0011. Backfilled with clean soils. Jicarilla Tribal inspectors witnessed cleanup. See attached sketch of excavation (4/21/09), Certificate of Waste, and sample results. Disposal bill-of-laden available upon request.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Michael K. Lane	Approved by District Supervisor:  For: Charlie Person	
Title: SJB EH&S Specialist	Approval Date: 6/18/09	Expiration Date:
E-mail Address: myke.lane@williams.com	Conditions of Approval:	Attached ☐
Date: 6/05/09 Phone: (505) 330-3198		

* Attach Additional Sheets If Necessary

Incident # NMB0924742154

Sample Results
Sampling 4-21-09

Location	TPH – EPA 418.1 (ppm)	TPH - EPA 8015 (ppm)	Benzene (ppm)	BTEX (ppm)
#1	20.5	ND	ND	0.20
#2	1270	914	0.101	28.8
#3	33.2	8.3	ND	0.201
#4	24.1	15.2	ND	0.152
#5	965	410	0.378	27.3
NMOCD Soil Std. (Ranking <10)	5000	5000	10	50

Sample #1

#2

#3

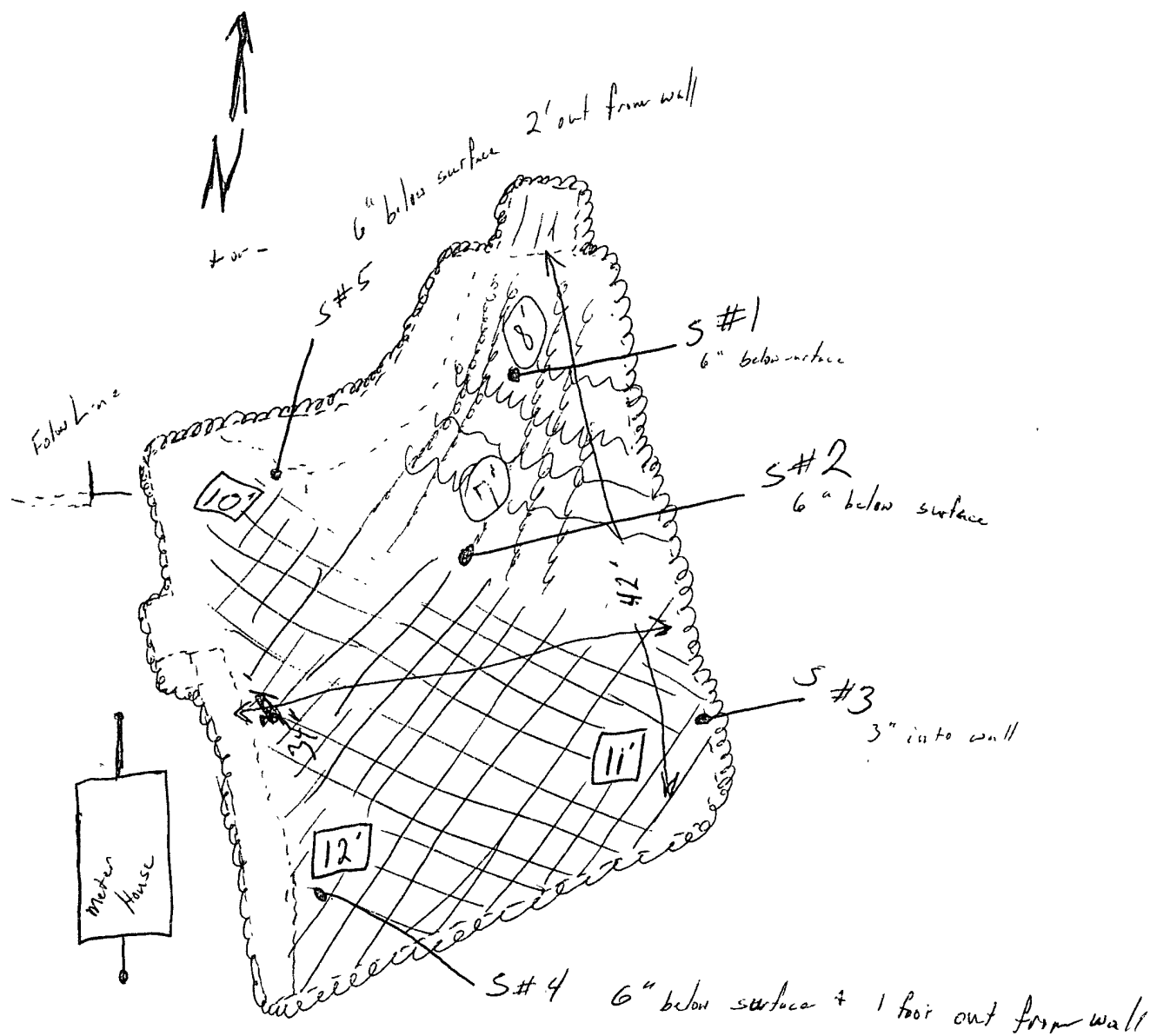
#4

#5

4/21/09

G.S.

Adobe Cantopore





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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

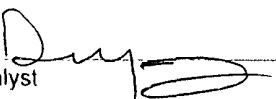
Client:	Williams Production	Project #:	04108-0003
Sample ID:	Condensate Spill	Date Reported:	04-15-09
Laboratory Number:	49669	Date Sampled:	04-13-09
Chain of Custody No.	6796	Date Received:	04-14-09
Sample Matrix:	Soil	Date Extracted:	04-14-09
Preservative:		Date Analyzed:	04-14-09
Condition:	Intact	Analysis Needed:	TPH-418.1

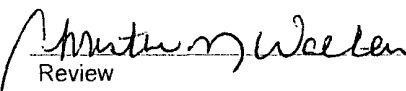
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	579	6.0

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: **Jicarilla 92 #16.**


Analyst


Review



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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	04-15-09
Laboratory Number:	04-14-TPH.QA/QC 49660	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	04-14-09
Preservative:	N/A	Date Extracted:	04-14-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	04-06-09	04-14-09	1,510	1,590	5.3%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.0

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
TPH	47.1	42.2	10.4%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	47.1	2,000	1,750	85.5%	80 - 120%

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: QA/QC for Samples 49660 - 49664, 49667 - 49669 and 49686.

Analyst

Review



Client:	Williams Production	Project #:	04108-0003
Sample ID:	Condensate Spill South	Date Reported:	04-16-09
Laboratory Number:	49686	Date Sampled:	04-13-09
Chain of Custody No:	6796	Date Received:	04-14-09
Sample Matrix:	Soil	Date Extracted:	04-14-09
Preservative:		Date Analyzed:	04-14-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	10.9	6.0

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: **Jicarilla 92 #16.**

Analyst

Review



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EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	04-15-09
Laboratory Number:	04-14-TPH.QA/QC 49660	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	04-14-09
Preservative:	N/A	Date Extracted:	04-14-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
	04-06-09	04-14-09	1,510	1,590	5.3%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.0

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	47.1	42.2	10.4%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
TPH	47.1	2,000	1,750	85.5%	80 - 120%

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: QA/QC for Samples 49660 - 49664, 49667 - 49669 and 49686.

Analyst

Review



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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0003
Sample ID	Condensate Spill	Date Reported:	04-15-09
Laboratory Number:	49669	Date Sampled:	04-13-09
Chain of Custody	6796	Date Received:	04-14-09
Sample Matrix:	Soil	Date Analyzed:	04-14-09
Preservative:		Date Extracted:	04-14-09
Condition	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	77.0	0.9
Toluene	5,030	1.0
Ethylbenzene	128	1.0
p,m-Xylene	12,100	1.2
o-Xylene	3,460	0.9
Total BTEX	20,800	

ND - Parameter not detected at the stated detection limit

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Jicarilla 92 #16

Analyst

Review



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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #	N/A
Sample ID	04-14-BT QA/QC	Date Reported	04-15-09
Laboratory Number	49657	Date Sampled	N/A
Sample Matrix	Soil	Date Received	N/A
Preservative	N/A	Date Analyzed	04-14-09
Condition	N/A	Analysis	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	7.3334E+006	7.3481E+006	0.2%	ND	0.1
Toluene	6.7001E+006	6.7135E+006	0.2%	ND	0.1
Ethylbenzene	5.8199E+006	5.8315E+006	0.2%	ND	0.1
p,m-Xylene	1.5181E+007	1.5212E+007	0.2%	ND	0.1
o-Xylene	5.5891E+006	5.6003E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	2.1	2.0	4.8%	0 - 30%	0.9
Toluene	4.9	4.7	4.1%	0 - 30%	1.0
Ethylbenzene	7.2	7.0	2.8%	0 - 30%	1.0
p,m-Xylene	16.2	16.0	1.2%	0 - 30%	1.2
o-Xylene	9.5	9.3	2.1%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.1	50.0	50.6	97.1%	39 - 150
Toluene	4.9	50.0	52.7	96.0%	46 - 148
Ethylbenzene	7.2	50.0	56.1	98.1%	32 - 160
p,m-Xylene	16.2	100	115	98.5%	46 - 148
o-Xylene	9.5	50.0	56.5	95.0%	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 49657, 49660 - 49664, and 49666 - 49669.

Analyst

Review



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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0003
Sample ID	Condensate Spill South	Date Reported:	04-17-09
Laboratory Number:	49686	Date Sampled:	04-13-09
Chain of Custody:	6796	Date Received:	04-14-09
Sample Matrix:	Soil	Date Analyzed:	04-16-09
Preservative		Date Extracted:	04-15-09
Condition:	Intact	Analysis Requested	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	6.3	1.0
Ethylbenzene	5.9	1.0
p,m-Xylene	19.4	1.2
o-Xylene	12.4	0.9
Total BTEX	44.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Jicarilla 92 #16

Analyst

Review



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Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #	N/A
Sample ID.	04-16-BT QA/QC	Date Reported	04-17-09
Laboratory Number	49686	Date Sampled	N/A
Sample Matrix	Soil	Date Received	N/A
Preservative	N/A	Date Analyzed	04-16-09
Condition	N/A	Analysis	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	7.1975E+006	7.2119E+006	0.2%	ND	0.1
Toluene	6.6279E+006	6.6411E+006	0.2%	ND	0.1
Ethylbenzene	5.7422E+006	5.7537E+006	0.2%	ND	0.1
p,m-Xylene	1.5084E+007	1.5114E+007	0.2%	ND	0.1
o-Xylene	5.5290E+006	5.5401E+006	0.2%	ND	0.1

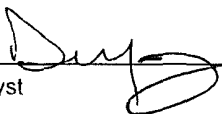
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	6.3	6.1	3.2%	0 - 30%	1.0
Ethylbenzene	5.9	5.8	1.7%	0 - 30%	1.0
p,m-Xylene	19.4	19.1	1.5%	0 - 30%	1.2
o-Xylene	12.4	12.2	1.6%	0 - 30%	0.9

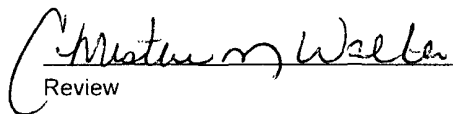
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	48.5	97.0%	39 - 150
Toluene	6.3	50.0	54.1	96.1%	46 - 148
Ethylbenzene	5.9	50.0	54.8	98.0%	32 - 160
p,m-Xylene	19.4	100	118	98.6%	46 - 148
o-Xylene	12.4	50.0	59.4	95.2%	46 - 148

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 49675 - 49681, 49686, and 49693.


Analyst


Review



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

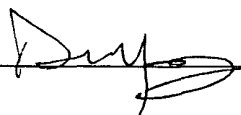
Client:	WPX	Project #:	04108-0003
Sample ID:	Condensate Spill	Date Reported:	04-15-09
Laboratory Number:	49669	Date Sampled:	04-13-09
Chain of Custody No:	6796	Date Received:	04-14-09
Sample Matrix:	Soil	Date Extracted:	04-14-09
Preservative:		Date Analyzed:	04-14-09
Condition:	Intact	Analysis Requested:	8015 TPH

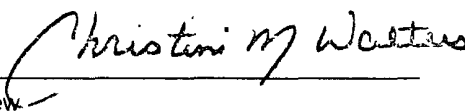
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	590	0.2
Diesel Range (C10 - C28)	226	0.1
Total Petroleum Hydrocarbons	816	0.2

ND - Parameter not detected at the stated detection limit.

References Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, December 1996.

Comments: **Jicarilla 92 #16**

Analyst 

Review 

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client	QA/QC	Project #.	N/A
Sample ID:	04-14-09 QA/QC	Date Reported	04-15-09
Laboratory Number:	49657	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-14-09
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	9.8518E+002	9.8558E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.5789E+002	9.5827E+002	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

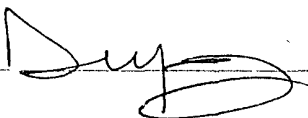
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

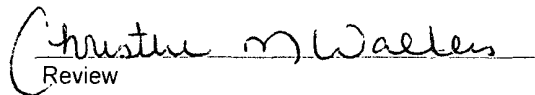
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	245	98.0%	75 - 125%
Diesel Range C10 - C28	ND	250	254	102%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 49657, 49660 - 49664, and 49666 - 49669.

Analyst 

Review 

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

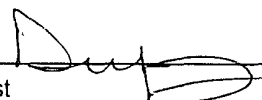
Client:	WPX	Project #:	04108-0003
Sample ID:	Condensate Spill South	Date Reported:	04-17-09
Laboratory Number	49686	Date Sampled:	04-13-09
Chain of Custody No:	6796	Date Received:	04-14-09
Sample Matrix:	Soil	Date Extracted:	04-15-09
Preservative:		Date Analyzed:	04-16-09
Condition:	Intact	Analysis Requested:	8015 TPH

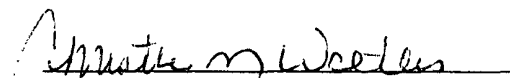
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.3	0.2
Diesel Range (C10 - C28)	3.2	0.1
Total Petroleum Hydrocarbons	4.5	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, December 1996

Comments: **Jicarilla 92 #16**

Analyst 


Review



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Analytical Laboratory

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-16-09 QA/QC	Date Reported:	04-17-09
Laboratory Number:	49686	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-16-09
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	9.7280E+002	9.7319E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0307E+003	1.0311E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	1.3	1.2	7.7%	0 - 30%
Diesel Range C10 - C28	3.2	3.2	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	1.3	250	246	98.0%	75 - 125%
Diesel Range C10 - C28	3.2	250	257	102%	75 - 125%

ND - Parameter not detected at the stated detection limit

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

Comments: QA/QC for Samples 49675 - 49681, 49686, and 49693.

Analyst

Review



Client	Williams Production	Project #:	04108-0003
Sample ID:	Condensate Spill	Date Reported:	04-15-09
Lab ID#:	49669	Date Sampled:	04-13-09
Sample Matrix:	Soil	Date Received:	04-14-09
Preservative:		Date Analyzed:	04-14-09
Condition:	Intact	Chain of Custody:	6796

Parameter

Concentration (mg/Kg)

Total Chloride

85

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Jicarilla 92 #16.**

Analyst

Review



Client:	Williams Production	Project #:	04108-0003
Sample ID:	Condensate Spill South	Date Reported:	04-16-09
Lab ID#:	49686	Date Sampled:	04-13-09
Sample Matrix:	Soil	Date Received:	04-14-09
Preservative		Date Analyzed:	04-15-09
Condition:	Intact	Chain of Custody:	6796

Parameter

Concentration (mg/Kg)

Total Chloride

40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Jicarilla 92 #16.**

Analyst

Review

CHAIN OF CUSTODY RECORD

* rush *

6796

Client: Williams Production		Project Name / Location: Tiadorilla 92 #16				ANALYSIS / PARAMETERS																																													
Client Address:		Sampler Name: Glenn Shelby				<table border="1"> <tr> <th>TPH (Method 8015)</th> <th>BTEX (Method 8021)</th> <th>VOC (Method 8260)</th> <th>RCRA 8 Metals</th> <th>Cation / Anion</th> <th>RCI</th> <th>TCLP with H/P</th> <th>PAH</th> <th>TPH (418.1)</th> <th>CHLORIDE</th> <th></th> <th></th> <th></th> <th></th> <th>Sample Cool</th> <th>Sample Intact</th> </tr> <tr> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>✓</td> </tr> </table>														TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact	✓	✓							✓	✓					-	✓
TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI															TCLP with H/P	PAH	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact																						
✓	✓							✓	✓					-	✓																																				
Client Phone No.: Myke Lane		Client No.: 04108-0003																																																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative																																													
						HgCl ₂	HCl																																												
Condensate Spill	4/13/09	3:45	49669	Soil Sludge Solid Aqueous	1-402			✓	✓																																										
CONDENSATE SPILL				Soil Sludge Solid Aqueous																																															
Condensate Spill South	4/13/09	3:49	49686	Soil Sludge Solid Aqueous	1-402			✓	✓																																										
				Soil Sludge Solid Aqueous																																															
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RECEIVED
APR 21 2009
WPX

ENVIROTECH INC.

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



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

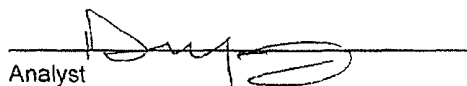
Client:	WPX	Project #:	04108-0003
Sample ID:	#1	Date Reported:	04-24-09
Laboratory Number:	49741	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Requested:	8015 TPH

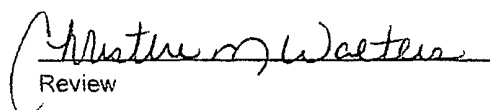
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Jic 92 #16 Spill**


Analyst


Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

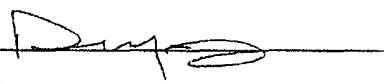
Client:	WPX	Project #:	04108-0003
Sample ID:	#2	Date Reported:	04-24-09
Laboratory Number:	49742	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Requested:	8015 TPH

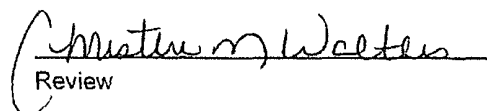
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	716	0.2
Diesel Range (C10 - C28)	198	0.1
Total Petroleum Hydrocarbons	914	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jic 92 #16 Spill


Analyst


Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	WPX	Project #:	04108-0003
Sample ID:	#3	Date Reported:	04-24-09
Laboratory Number:	49743	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.0	0.2
Diesel Range (C10 - C28)	5.3	0.1
Total Petroleum Hydrocarbons	8.3	0.2

ND - Parameter not detected at the stated detection limit

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Jic 92 #16 Spill**

Analyst

Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

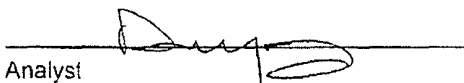
Client:	WPX	Project #:	04108-0003
Sample ID:	#4	Date Reported:	04-24-09
Laboratory Number:	49744	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Requested:	8015 TPH

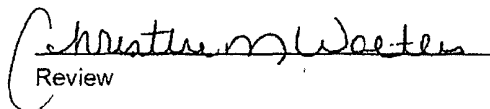
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	7.5	0.2
Diesel Range (C10 - C28)	7.7	0.1
Total Petroleum Hydrocarbons	15.2	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jic 92 #16 Spill


Analyst


Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

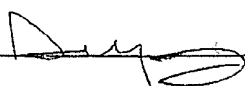
Client:	WPX	Project #:	04108-0003
Sample ID:	#5	Date Reported:	04-24-09
Laboratory Number:	49745	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Requested:	8015 TPH

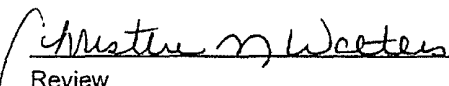
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	343	0.2
Diesel Range (C10 - C28)	66.8	0.1
Total Petroleum Hydrocarbons	410	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jic 92 #16 Spill


Analyst


Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-23-09 QA/QC	Date Reported:	04-24-09
Laboratory Number:	49737	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-23-09
Condition:	N/A	Analysis Requested:	TPH

	Lab Date	Lab RF	C Lab RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.0038E+003	1.0042E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0054E+003	1.0058E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

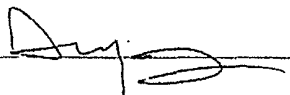
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

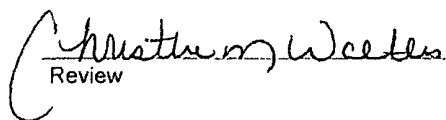
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	245	98.0%	75 - 125%
Diesel Range C10 - C28	ND	250	229	91.6%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 49737 - 49738 and 49741 - 49745.

Analyst 

Review 



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0003
Sample ID:	#1	Date Reported:	04-24-09
Laboratory Number:	49741	Date Sampled:	04-21-09
Chain of Custody:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Analyzed:	04-23-09
Preservative:	Cool	Date Extracted:	04-23-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	6.5	1.0
Ethylbenzene	1.7	1.0
p,m-Xylene	9.3	1.2
o-Xylene	2.8	0.9
Total BTEX	20.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Jic 92 #16 Spill

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0003
Sample ID:	#2	Date Reported:	04-24-09
Laboratory Number:	49742	Date Sampled:	04-21-09
Chain of Custody:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Analyzed:	04-23-09
Preservative:	Cool	Date Extracted:	04-23-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	101	0.9
Toluene	6,780	1.0
Ethylbenzene	2,150	1.0
p,m-Xylene	15,100	1.2
o-Xylene	4,710	0.9
Total BTEX	28,800	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Jic 92 #16 Spill

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0003
Sample ID:	#3	Date Reported:	04-24-09
Laboratory Number:	49743	Date Sampled:	04-21-09
Chain of Custody:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Analyzed:	04-23-09
Preservative:	Cool	Date Extracted:	04-23-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	32.8	1.0
Ethylbenzene	11.7	1.0
p,m-Xylene	116	1.2
o-Xylene	40.6	0.9
Total BTEX	201	

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: Jic 92 #16 Spill

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0003
Sample ID:	#4	Date Reported:	04-24-09
Laboratory Number:	49744	Date Sampled:	04-21-09
Chain of Custody:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Analyzed:	04-23-09
Preservative:	Cool	Date Extracted:	04-23-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	12.6	1.0
Ethylbenzene	8.5	1.0
p,m-Xylene	99.5	1.2
o-Xylene	31.3	0.9
Total BTEX	152	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Jic 92 #16 Spill

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0003
Sample ID:	#5	Date Reported:	04-24-09
Laboratory Number:	49745	Date Sampled:	04-21-09
Chain of Custody:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Analyzed:	04-23-09
Preservative:	Cool	Date Extracted:	04-23-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	378	0.9
Toluene	9,370	1.0
Ethylbenzene	1,710	1.0
p,m-Xylene	12,300	1.2
o-Xylene	3,520	0.9
Total BTEX	27,300	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Jic 92 #16 Spill

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-23-BT QA/QC	Date Reported:	04-24-09
Laboratory Number:	49737	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-23-09
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	1.2897E+006	1.2923E+006	0.2%	ND	0.1
Toluene	9.1643E+005	9.1827E+005	0.2%	ND	0.1
Ethylbenzene	8.2358E+005	8.2524E+005	0.2%	ND	0.1
p,m-Xylene	2.1774E+006	2.1817E+006	0.2%	ND	0.1
o-Xylene	7.8976E+005	7.9134E+005	0.2%	ND	0.1

Duplicate Conc (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc (ug/Kg)	Sample	Amount Spiked	Spiked Sample	%Recovery	Accept Range
Benzene	ND	50.0	48.5	97.0%	39 - 150
Toluene	ND	50.0	44.6	89.2%	46 - 148
Ethylbenzene	ND	50.0	48.9	97.8%	32 - 160
p,m-Xylene	ND	100	98.3	98.3%	46 - 148
o-Xylene	ND	50.0	47.0	94.0%	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 49737 - 49738 and 49740 - 49745.

Analyst

Review



envirotech
Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	WPX	Project #:	04108-0003
Sample ID:	#1	Date Reported:	04-24-09
Laboratory Number:	49741	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	20.5	6.0

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: Jic 92 #16 Spill.

Analyst

Review



envirotech
Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	WPX	Project #:	04108-0003
Sample ID:	#2	Date Reported:	04-24-09
Laboratory Number:	49742	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,270	6.0

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: Jic 92 #16 Spill.

Analyst

Review



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Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	WPX	Project #:	04108-0003
Sample ID:	#3	Date Reported:	04-24-09
Laboratory Number:	49743	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	33.2	6.0
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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: Jic 92 #16 Spill.

Analyst

Review



envirotech
Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	WPX	Project #:	04108-0003
Sample ID:	#4	Date Reported:	04-24-09
Laboratory Number:	49744	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	24.1	6.0

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: Jic 92 #16 Spill.

Analyst

Review



envirotech
Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	WPX	Project #:	04108-0003
Sample ID:	#5	Date Reported:	04-24-09
Laboratory Number:	49745	Date Sampled:	04-21-09
Chain of Custody No:	6855	Date Received:	04-23-09
Sample Matrix:	Soil	Date Extracted:	04-23-09
Preservative:	Cool	Date Analyzed:	04-23-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	965	6.0

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: Jic 92 #16 Spill.

Analyst

Review



envirotech
Analytical Laboratory

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	04-24-09
Laboratory Number:	04-23-TPH.QA/QC 49740	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	04-23-09
Preservative:	N/A	Date Extracted:	04-23-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
	04-06-09	04-23-09	1,510	1,560	3.3%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.0

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	74.8	71.2	4.8%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
TPH	74.8	2,000	1,810	87.2%	80 - 120%

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: QA/QC for Samples 49740 - 49748.

Analyst

Review

CHAIN OF CUSTODY RECORD

6855

Client: WPX		Project Name / Location: Loc. 92 #16 spill		ANALYSIS / PARAMETERS RISA													
Client Address:		Sampler Name: ROUND SHEDBY		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:		Client No.: 04108-0003															
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative											
#1	4/21	1535	49741	Soil Solid	Sludge Aqueous	1											
#2	4/21	1535	49742	Soil Solid	Sludge Aqueous	1											
#3	4/21	1535	49743	Soil Solid	Sludge Aqueous	1											
#4	4/21	1535	49744	Soil Solid	Sludge Aqueous	1											
#5	4/21	1535	49745	Soil Solid	Sludge Aqueous	1											
				Soil Solid	Sludge Aqueous												
				Soil Solid	Sludge Aqueous												
				Soil Solid	Sludge Aqueous												
				Soil Solid	Sludge Aqueous												
				Soil Solid	Sludge Aqueous												
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time						
Relinquished by: (Signature)				4/23	800A	Received by: (Signature)				4/25/09	800						
Relinquished by: (Signature)						Received by: (Signature)											

ENVIROTECH INC.

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Williams Production Co, LLC, PO Box 640, Aztec, NM
Disposal Requested by: Matt Lain MM330755

2. Originating Site:
Jicarilla 92 #016 (API: 30-039-22500)

3. Location of Material (Street Address, City, State or ULSTR):
E-S30-T27N-R03W, NMPM
Rio Arriba Co., NM

4. Source and Description of Waste:
Drill and completion cuttings and mud.

Estimated Volume 20 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) 24 ¹⁰⁵⁰ yd³ / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Michael K. Lane, representative or authorized agent for Williams Production Co, LLC do hereby
Generator Signature
certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988
regulatory determination, the above described waste is: (Check the appropriate classification)

☒ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-
exempt waste. Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load

☐ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by
characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261,
subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check
the appropriate items)

☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, April E Pohl, representative for Envirotech Inc do hereby certify that
Representative/Agent Signature
representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples
have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results
of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of
19.15.36 NMAC.

5. Transporter: Abode Contractors

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc Soil Remediation Facility Permit #NM-01-0011

Address of Facility: Hilltop, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: April E Pohl TITLE: Land Farm Administrator DATE: 4/09/08

SIGNATURE: April E Pohl TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent