

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

<b>Name of Company:</b> Energen Resources, Inc.	<b>Contact:</b> Ed Hasely
<b>Address:</b> 2010 Afton Place, Farmington, NM 87401	<b>Telephone No:</b> 505-324-4131
<b>Facility Name:</b> Jicarilla 89 #5 (API # - 3003907096)	<b>Facility Type:</b> Oil/Gas Well Site

<b>Surface Owner:</b> Jicarilla Apache Tribe	<b>Mineral Owner:</b> Jicarilla Apache Tribe	<b>Lease No.</b> Jicarilla 89
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	14	27N	3W	1039	North	1039	East	Rio Arriba

Latitude 36.57778      Longitude -107.10809

**NATURE OF RELEASE**

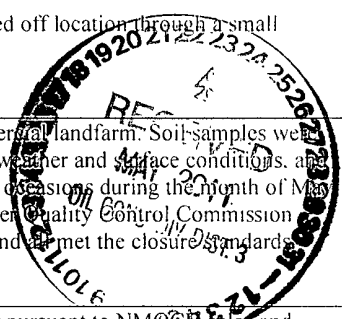
<b>Type of Release:</b> Condensate	<b>Volume of Release:</b> 18.5 bbls	<b>Volume Recovered:</b> None
<b>Source of Release:</b> Storage Tank	<b>Date and Hour of Occurrence:</b> 12/27/10	<b>Date and Hour of Discovery:</b> 12/27/10
<b>Was Immediate Notice Given?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	<b>If YES, To Whom?</b> Dixon Sandoval - Jicarilla	
<b>By Whom?</b> Bert Thomas	<b>Date and Hour:</b> 12/27/10 at 11 am	
<b>Was a Watercourse Reached?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse.</b> NA Unknown	

**If a Watercourse was Impacted, Describe Fully.\*** Condensate flowed off location and into a dry wash where surface soils were frozen. The impacted materials were removed and hauled for landfarm disposal.

**Describe Cause of Problem and Remedial Action Taken.\***  
The 400 bbl condensate tank developed a leak at the load line valve. The condensate pooled on the location and traveled off location through a small erosion ditch to a dry wash.

**Describe Area Affected and Cleanup Action Taken.\*** The impacted soils were excavated and disposed at a commercial landfarm. Soil samples were collected from various areas of the spill cleanup area and all met the NMOCD remediation requirements. Due to poor weather and surface conditions, and at the direction of Mr. Dixon Sandoval and Mr. Hobson Sandoval, additional sampling was conducted on two separate occasions during the month of May 2001. The soil samples all met the NMOCD remediation requirements and the water sample met the New Mexico Water Quality Control Commission Ground Water Standards. Following the cleanup efforts, a total of 10 soil samples and 1 water sample were analyzed and all met the closure standards.

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.



<b>Signature:</b> <i>Ed Hasely</i>	<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name:</b> Ed Hasely	<b>Approved by District Supervisor:</b> <i>Bob Bell</i>	
<b>Title:</b> Sr. Environmental Engineer	<b>Approval Date:</b> 5/23/11	<b>Expiration Date:</b>
<b>E-mail Address:</b> ed.hasely@energen.com	<b>Conditions of Approval:</b>	<b>Attached:</b> <input type="checkbox"/>
<b>Date:</b> 5/20/11 <b>Phone:</b> 505-324-4131 / 505-330-3584(cell)	<i>1122354994</i>	

\* Attach Additional Sheets If Necessary

May 20, 2011

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410  
Attn: Brandon Powell

Re: **Jicarilla 89 #5**  
Final Release Report Submittal

Dear Mr. Powell:

Enclosed is the final Release Notification and Corrective Action (C-141) Form for the release on the subject well location.

If there are any questions or concerns with this submittal, please contact me at 505-324-4131.

Sincerely,



Ed Hasely  
Sr. Environmental Engineer  
Energen Resources



Attachment: C-141  
Lab Reports

Cc: Heather Wendeborn  
BLM – Kevin Schneider  
Jicarilla EPO – Hobson Sandoval  
Jicarilla Oil and Gas – Bryce Hammond  
HSE File  
Facility File  
Correspondence

Bureau of Land Management  
1235 La Plata Highway  
Farmington, New Mexico 87401  
Attn: Mr. Kevin Schneider

Jicarilla Oil and Gas  
Jicarilla Apache Nation  
P.O. Box 146  
Dulce, NM 87528  
Attn: Mr. Bryce Hammond

Jicarilla Apache Nation  
Environmental Protection Office  
P.O. Box 507  
Dulce, NM 87528  
Attn: Mr. Hobson Sandoval



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


Client:	Energen	Project #:	03022-0168
Sample ID:	East Pot Hole (wash) 4' Deep	Date Reported:	05-17-11
Laboratory Number:	58203	Sampled:	05-13-11
Chain of Custody No:	11735	Date Received:	05-13-11
Sample Matrix:	Soil	Date Extracted:	05-16-11
Preservative:	Cool	Date Analyzed:	05-16-11
Condition:	Intact	Analysis Requested:	8015 TPH
		Dilution:	X2

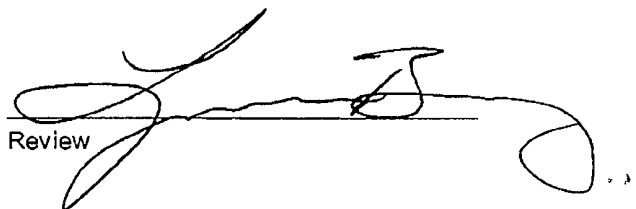
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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 89 #5

  
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Analyst

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

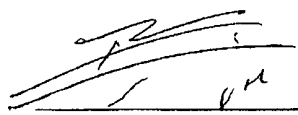
Client:	Energen	Project #:	03022-0168
Sample ID:	West Pot Hole (wash) 6' Deep	Date Reported:	05-17-11
Laboratory Number:	58204	Sampled:	05-13-11
Chain of Custody No:	11735	Date Received:	05-13-11
Sample Matrix:	Soil	Date Extracted:	05-16-11
Preservative:	Cool	Date Analyzed:	05-16-11
Condition:	Intact	Analysis Requested:	8015 TPH
		Dilution:	X2

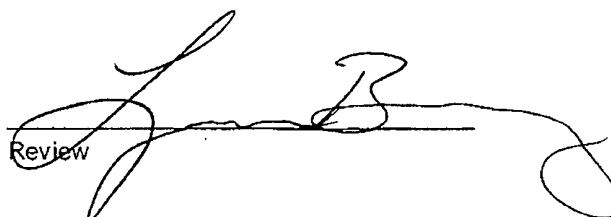
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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 89 #5

  
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Analyst

  
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Review



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

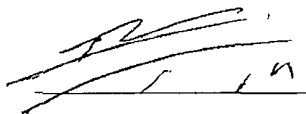
Client:	Energen	Project #:	03022-0168
Sample ID:	Pot Hole By Oil Tank	Date Reported:	05-17-11
Laboratory Number:	58205	Sampled:	05-13-11
Chain of Custody No:	11735	Date Received:	05-13-11
Sample Matrix:	Soil	Date Extracted:	05-16-11
Preservative:	Cool	Date Analyzed:	05-16-11
Condition:	Intact	Analysis Requested:	8015 TPH

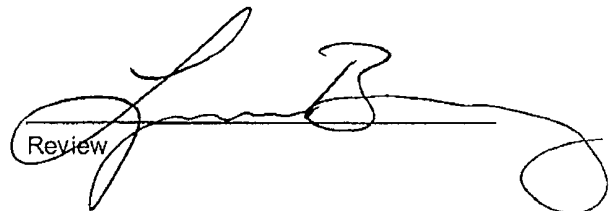
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.4	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.4	

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 89 #5

  
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Analyst

  
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Review

Client:	Energen	Project #:	03022-0168
Sample ID:	East Pot Hole (wash) 4' Deep	Date Reported:	05-16-11
Laboratory Number:	58203	Date Sampled:	05-13-11
Chain of Custody:	11735	Date Received:	05-13-11
Sample Matrix:	Soil	Date Analyzed:	05-16-11
Preservative:	Cool	Date Extracted:	05-16-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	2.1	1.2
o-Xylene	5.1	0.9
<b>Total BTEX</b>	<b>7.2</b>	


ND - Parameter not detected at the stated detection limit.

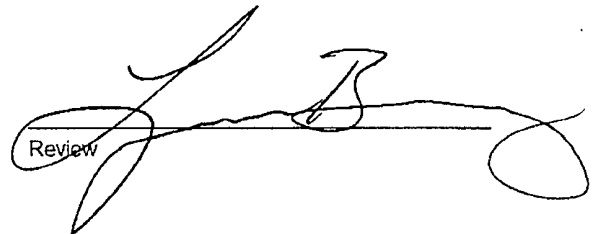
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	102 %
	1,4-difluorobenzene	95.6 %
	Bromochlorobenzene	99.0 %

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 89 #5

  
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Analyst

  
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Client:	Energen	Project #:	03022-0168
Sample ID:	West Pot Hole (wash) 6' Deep	Date Reported:	05-16-11
Laboratory Number:	58204	Date Sampled:	05-13-11
Chain of Custody:	11735	Date Received:	05-13-11
Sample Matrix:	Soil	Date Analyzed:	05-16-11
Preservative:	Cool	Date Extracted:	05-16-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	9.0	1.2
o-Xylene	4.4	0.9
<b>Total BTEX</b>	<b>13.4</b>	

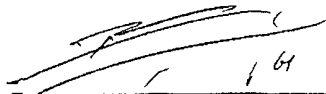
ND - Parameter not detected at the stated detection limit.


Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	105 %
	1,4-difluorobenzene	92.8 %
	Bromochlorobenzene	97.4 %

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 89 #5

  
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Analyst

  
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Review



Client:	Energen	Project #:	03022-0168
Sample ID:	Pot Hole By Oil Tank	Date Reported:	05-16-11
Laboratory Number:	58205	Date Sampled:	05-13-11
Chain of Custody:	11735	Date Received:	05-13-11
Sample Matrix:	Soil	Date Analyzed:	05-16-11
Preservative:	Cool	Date Extracted:	05-16-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	1.6	1.0
p,m-Xylene	15.5	1.2
o-Xylene	6.3	0.9
<b>Total BTEX</b>	<b>23.4</b>	


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	105 %
	1,4-difluorobenzene	99.2 %
	Bromochlorobenzene	101 %

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 89 #5



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Analyst



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Review



Client:	Energen	Project #:	03022-0168
Sample ID:	East Pot Hole (wash) Water Sample	Date Reported:	05-17-11
Chain of Custody:	11735	Date Sampled:	05-13-11
Laboratory Number:	58206	Date Received:	05-13-11
Sample Matrix:	Aqueous	Date Analyzed:	05-16-11
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	1.0	1	0.2
Toluene	26.2	1	0.2
Ethylbenzene	9.0	1	0.2
p,m-Xylene	412	1	0.2
o-Xylene	164	1	0.1

**Total BTEX** 612


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	94.6 %
	1,4-difluorobenzene	84.8 %
	4-bromochlorobenzene	99.2 %

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: Jicarilla 89 #5

  
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Analyst

  
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Review

Client:	Energen	Project #:	03022-0168
Sample ID:	East Pot Hole (wash) 4' Deep	Date Reported:	05/17/11
Lab ID#:	58203	Date Sampled:	05/13/11
Sample Matrix:	Soil	Date Received:	05/13/11
Preservative:	Cool	Date Analyzed:	05/17/11
Condition:	Intact	Chain of Custody:	11735

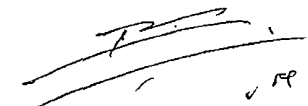
Parameter	Concentration (mg/Kg)
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**Total Chloride**

**120**

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 89 #5**




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Analyst




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Review

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Client:	Energen	Project #:	03022-0168
Sample ID:	West Pot Hole (wash) 6' Deep	Date Reported:	05/17/11
Lab ID#:	58204	Date Sampled:	05/13/11
Sample Matrix:	Soil	Date Received:	05/13/11
Preservative:	Cool	Date Analyzed:	05/17/11
Condition:	Intact	Chain of Custody:	11735


Parameter	Concentration (mg/Kg)
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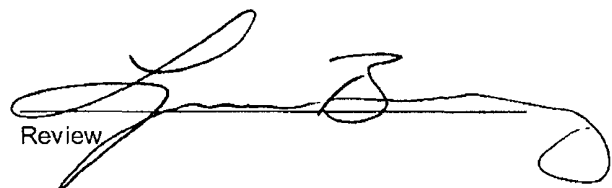
Total Chloride

60

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 89 #5**

  
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Analyst

  
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Review


Client:	Energen	Project #:	03022-0168
Sample ID:	Pot Hole By Oil Tank	Date Reported:	05/17/11
Lab ID#:	58205	Date Sampled:	05/13/11
Sample Matrix:	Soil	Date Received:	05/13/11
Preservative:	Cool	Date Analyzed:	05/17/11
Condition:	Intact	Chain of Custody:	11735

Parameter	Concentration (mg/Kg)
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<b>Total Chloride</b>	<b>120</b>
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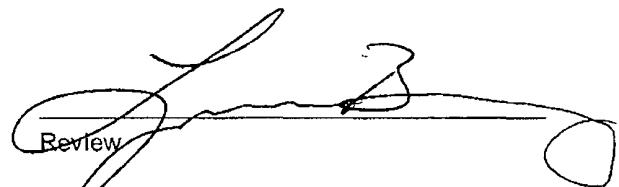
Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Jicarilla 89 #5**




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Analyst




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Review

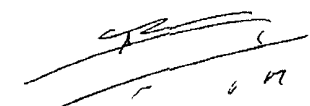
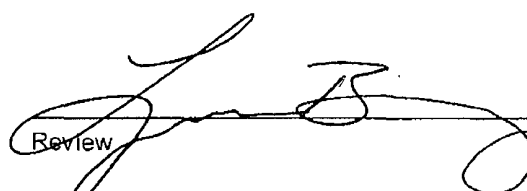
Client:	Energen	Project #:	03022-0168
Sample ID:	East Pot Hole (wash) Water Sample	Date Reported:	05/17/11
Lab ID#:	58206	Date Sampled:	85/13
Sample Matrix:	Aqueous	Date Received:	05/13/11
Preservative:	Cool	Date Analyzed:	05/17/11
Condition:	Intact	Chain of Custody:	11735

Parameter	Concentration (mg/L)
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<b>Total Chloride</b>	<b>100</b>
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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 89 #5**

  
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Analyst  
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Review

## Ed Hasely

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**From:** Ed Hasely  
**Sent:** Monday, May 09, 2011 11:08 AM  
**To:** 'Dixon Sandoval'; 'hsandoval\_99@yahoo.com'  
**Cc:** Billy Stalcup  
**Subject:** FW: Test Results for Jicarilla 89 #5  
**Attachments:** Energen-Jicarilla 89 #5 PDF

Both samples collected from the wash, one composite from 2 feet and another from 3 feet (saturation depth), tested extremely clean. Please let me know if you need anything else other than a final report. Thanks.

**Ed Hasely**  
**Energen Resources Corporation**

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**From:** laboratory [<mailto:laboratory@envirotech-inc.com>]  
**Sent:** Monday, May 09, 2011 9:53 AM  
**To:** Ed Hasely  
**Cc:** Kellie Campbell  
**Subject:** Test Results for Jicarilla 89 #5

Please find attached the test results for Jicarilla 89 #5. If you have any questions or concerns, please call.

Thank you!

**Envirotech, Inc. Laboratory**  
Phone (505) 632-0615  
Fax (505) 632-1865

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


Client:	Energen Res.	Project #:	03022-0168
Sample ID:	Wash 2' Composite	Date Reported:	05-05-11
Laboratory Number:	58068	Date Sampled:	05-03-11
Chain of Custody No:	11662	Date Received:	05-03-11
Sample Matrix:	Soil	Date Extracted:	05-04-11
Preservative:	Cool	Date Analyzed:	05-04-11
Condition:	Intact	Analysis Requested:	8015 TPH
		Dilution:	X2


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

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 89 #5**

  
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Analyst

  
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Review



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

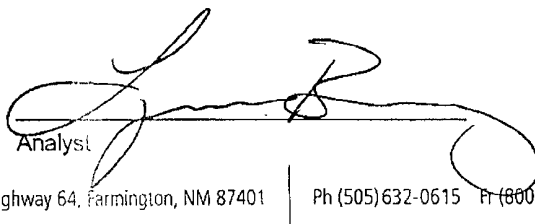
Client:	Energen Res.	Project #:	03022-0168
Sample ID:	Wash 3'	Date Reported:	05-05-11
Laboratory Number:	58069	Date Sampled:	05-03-11
Chain of Custody No:	11662	Date Received:	05-03-11
Sample Matrix:	Soil	Date Extracted:	05-04-11
Preservative:	Cool	Date Analyzed:	05-04-11
Condition:	Intact	Analysis Requested:	8015 TPH

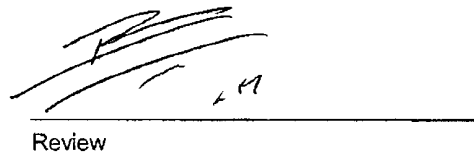
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
<b>Gasoline Range (C5 - C10)</b>	<b>0.7</b>	<b>0.2</b>
<b>Diesel Range (C10 - C28)</b>	<b>ND</b>	<b>0.1</b>
<b>Total Petroleum Hydrocarbons</b>	<b>0.7</b>	

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 89 #5**

  
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Analyst

  
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Review

Client:	Energen Res.	Project #:	03022-0168
Sample ID:	Wash 2' Composite	Date Reported:	05-05-11
Laboratory Number:	58068	Date Sampled:	05-03-11
Chain of Custody:	11662	Date Received:	05-03-11
Sample Matrix:	Soil	Date Analyzed:	05-04-11
Preservative:	Cool	Date Extracted:	05-04-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
<b>Total BTEX</b>	<b>ND</b>	

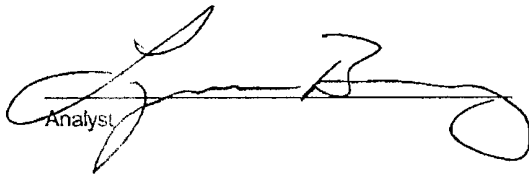
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95.1 %
	1,4-difluorobenzene	98.6 %
	Bromochlorobenzene	103 %

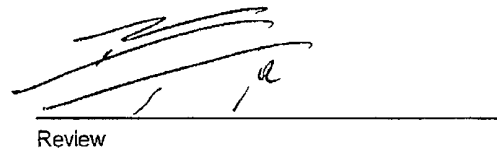
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Jicarilla 89 #5



Analyst



Review

Client:	Energen Res.	Project #:	03022-0168
Sample ID:	Wash 3'	Date Reported:	05-05-11
Laboratory Number:	58069	Date Sampled:	05-03-11
Chain of Custody:	11662	Date Received:	05-03-11
Sample Matrix:	Soil	Date Analyzed:	05-04-11
Preservative:	Cool	Date Extracted:	05-04-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	13.9	1.2
o-Xylene	1.5	0.9
<b>Total BTEX</b>	<b>15.4</b>	

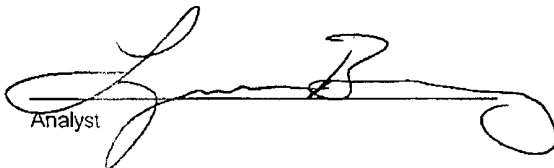
ND - Parameter not detected at the stated detection limit.

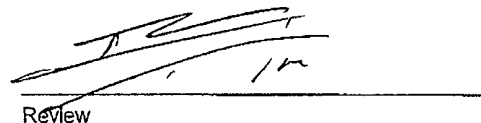
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	93.8 %
	Bromochlorobenzene	106 %

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 89 #5

  
Analyst

  
Review

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Client:	Energen Res.	Project #:	03022-0168
Sample ID:	Wash 2' Composite	Date Reported:	05/05/11
Lab ID#:	58068	Date Sampled:	05/03/11
Sample Matrix:	Soil	Date Received:	05/03/11
Preservative:	Cool	Date Analyzed:	05/05/11
Condition:	Intact	Chain of Custody:	11662

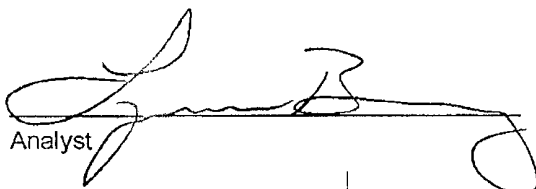
Parameter	Concentration (mg/Kg)
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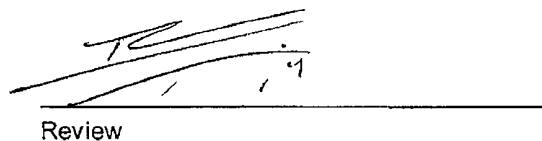
Total Chloride

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 89 #5**

  
Analyst

  
Review

Client:	Energen Res.	Project #:	03022-0168
Sample ID:	Wash 3'	Date Reported:	05/05/11
Lab ID#:	58069	Date Sampled:	05/03/11
Sample Matrix:	Soil	Date Received:	05/03/11
Preservative:	Cool	Date Analyzed:	05/05/11
Condition:	Intact	Chain of Custody:	11662

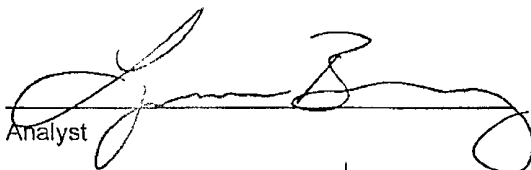
Parameter	Concentration (mg/Kg)
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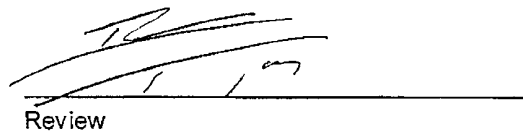
**Total Chloride**

**60**

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 89 #5**

  
Analyst

  
Review

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

Form C-141  
Revised October 10, 2003

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

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: Energen Resources	Contact: Kellie Campbell
Address: 2010 Afton Place	Telephone No.: 505-325-6800
Facility Name: Jicarilla 89 #5	Facility Type: On shore well
Surface Owner: Jicarilla	Mineral Owner: Jicarilla
	Lease No.: Jicarilla 89

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	14	27N	3W	1039	North	1039	East	Rio Arriba

Latitude 36.57778 Longitude -107.10809

**NATURE OF RELEASE**


Type of Release: condensate	Volume of Release: 13-14 bbls	Volume Recovered: 0
Source of Release: condensate storage tank	Date and Hour of Occurrence: 12/27/2010	Date and Hour of Discovery: 12/27/2010
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Dixon Sandoval, Jicarilla	
By Whom? Bert Thomas	Date and Hour: 12/27/2010 1100	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse unknown	

If a Watercourse was impacted, Describe Fully \*  
Condensate flowed off location and into a dry wash where surface soils were frozen. The impacted materials were removed and hauled for land farm disposal.

Describe Cause of Problem and Remedial Action Taken.\*  
Following a BGT closure and reconstruction of the facilities condensate was transferred back to the 400 bbl tank which developed a leak at the load line valve. The load line valve has been repaired and soil removed from affected areas.

Describe Area Affected and Cleanup Action Taken \*  
An area off location approximately 100' long by approximately 3' wide was impacted. At the direction of Dixon Sandoval, Environmental Specialist for the Jicarilla Apache Nation the following remediation efforts were completed. Impacted soil off location was excavated as well as soil on location. Samples were taken from the excavated area off location, and inside and outside the secondary containment area. All samples at this time meet the NMOCD remediation requirements. Excavated material was disposed at TNF land farm. Dixon Sandoval was on location for remediation efforts and has requested additional sampling as weather permits.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Kellie Campbell	Approved by District Supervisor:	
Title: Safety & Environmental Coordinator	Approval Date:	Expiration Date:
E-mail Address: kellie.campbell@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/5/2011	Phone: 505-324-4152	

\* Attach Additional Sheets If Necessary



EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons


Client:	Energen	Project #:	03022-0168
Sample ID:	12291001W	Date Reported:	01-03-11
Laboratory Number:	56928	Date Sampled:	12-29-10
Chain of Custody No:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Extracted:	12-30-10
Preservative:	Cool	Date Analyzed:	01-03-11
Condition:	Intact	Analysis Requested:	8015 TPH

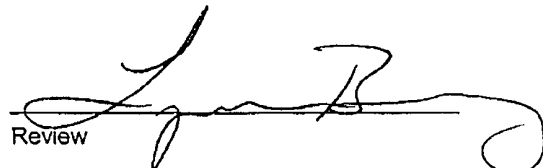
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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 89 #5**

  
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Analyst

  
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Review



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


Client:	Energen	Project #:	03022-0168
Sample ID:	12291002C	Date Reported:	01-03-11
Laboratory Number:	56929	Date Sampled:	12-29-10
Chain of Custody No:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Extracted:	12-30-10
Preservative:	Cool	Date Analyzed:	01-03-11
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	

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 89 #5**

  
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Analyst

  
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Review





EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons


Client:	Energen	Project #:	03022-0168
Sample ID:	12291003S	Date Reported:	01-03-11
Laboratory Number:	56930	Date Sampled:	12-29-10
Chain of Custody No:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Extracted:	12-30-10
Preservative:	Cool	Date Analyzed:	01-03-11
Condition:	Intact	Analysis Requested:	8015 TPH

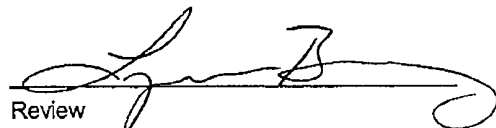
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	8.3	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	8.3	

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 89 #5

  
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Analyst

  
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Review

Client:	Energen	Project #:	03022-0168
Sample ID:	12291001W	Date Reported:	01-03-11
Laboratory Number:	56928	Date Sampled:	12-29-10
Chain of Custody:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Analyzed:	01-03-11
Preservative:	Cool	Date Extracted:	12-30-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	4.9	1.2
o-Xylene	ND	0.9
<b>Total BTEX</b>	<b>4.9</b>	


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.9 %
	1,4-difluorobenzene	99.2 %
	Bromochlorobenzene	96.4 %

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 89 #5

  
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Analyst

  
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Review

Client:	Energen	Project #:	03022-0168
Sample ID:	12291002C	Date Reported:	01-03-11
Laboratory Number:	56929	Date Sampled:	12-29-10
Chain of Custody:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Analyzed:	01-03-11
Preservative:	Cool	Date Extracted:	12-30-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	8.6	1.2
o-Xylene	ND	0.9
<b>Total BTEX</b>	<b>8.6</b>	


ND - Parameter not detected at the stated detection limit.

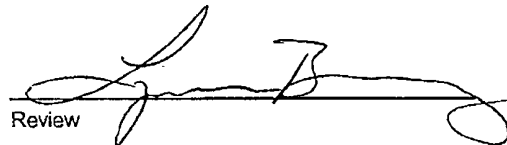
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	107 %
	1,4-difluorobenzene	109 %
	Bromochlorobenzene	108 %

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 89 #5**

  
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 Analyst

  
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 Review

**EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS**

Client:	Energen	Project #:	03022-0168
Sample ID:	12291003S	Date Reported:	01-03-11
Laboratory Number:	56930	Date Sampled:	12-29-10
Chain of Custody:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Analyzed:	01-03-11
Preservative:	Cool	Date Extracted:	12-30-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	53.7	1.0
Ethylbenzene	35.7	1.0
p,m-Xylene	476	1.2
o-Xylene	84.3	0.9
<b>Total BTEX</b>	<b>650</b>	


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	89.9 %
	Bromochlorobenzene	100 %

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

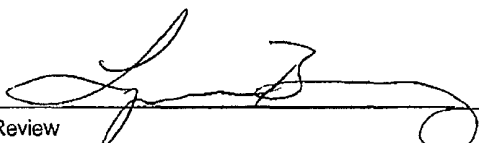
Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jic 89 #5




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Analyst




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Review



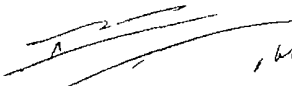
Client:	Energen	Project #:	03022-0168
Sample ID:	12291001W	Date Reported:	12-30-10
Laboratory Number:	56928	Date Sampled:	12-29-10
Chain of Custody No:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Extracted:	12-30-10
Preservative:	Cool	Date Analyzed:	12-30-10
Condition:	Intact	Analysis Needed:	TPH-418.1

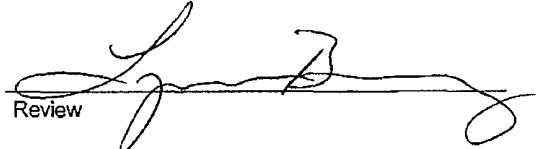
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
<b>Total Petroleum Hydrocarbons</b>	<b>20.6</b>	<b>6.6</b>

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 89 #5

  
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Analyst

  
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Review




Client:	Energen	Project #:	03022-0168
Sample ID:	12291002C	Date Reported:	12-30-10
Laboratory Number:	56929	Date Sampled:	12-29-10
Chain of Custody No:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Extracted:	12-30-10
Preservative:	Cool	Date Analyzed:	12-30-10
Condition:	Intact	Analysis Needed:	TPH-418.1

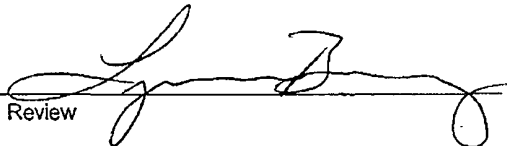
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
<b>Total Petroleum Hydrocarbons</b>	<b>39.8</b>	<b>6.6</b>

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 89 #5**

  
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Analyst

  
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Review




Client:	Energen	Project #:	03022-0168
Sample ID:	12291003S	Date Reported:	12-30-10
Laboratory Number:	56930	Date Sampled:	12-29-10
Chain of Custody No:	10983	Date Received:	12-30-10
Sample Matrix:	Soil	Date Extracted:	12-30-10
Preservative:	Cool	Date Analyzed:	12-30-10
Condition:	Intact	Analysis Needed:	TPH-418.1

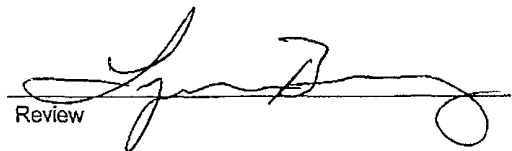
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	33.2	6.6

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 89 #5

  
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Analyst

  
\_\_\_\_\_  
Review




Client:	Energen	Project #:	03022-0168
Sample ID:	12291001W	Date Reported:	12-30-10
Lab ID#:	56928	Date Sampled:	12-29-10
Sample Matrix:	Soil	Date Received:	12-30-10
Preservative:	Cool	Date Analyzed:	12-30-10
Condition:	Intact	Chain of Custody:	10983

Parameter	Concentration (mg/Kg)
Total Chloride	25

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: Jic 89 #5

  
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Analyst

  
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Review





Client:	Energen	Project #:	03022-0168
Sample ID:	12291002C	Date Reported:	12-30-10
Lab ID#:	56929	Date Sampled:	12-29-10
Sample Matrix:	Soil	Date Received:	12-30-10
Preservative:	Cool	Date Analyzed:	12-30-10
Condition:	Intact	Chain of Custody:	10983


Parameter	Concentration (mg/Kg)
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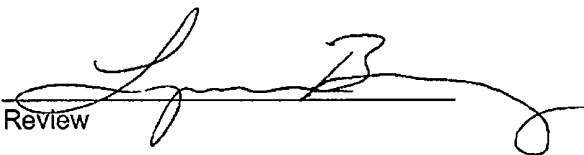
**Total Chloride**

**15**

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: **Jic 89 #5**

  
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Analyst

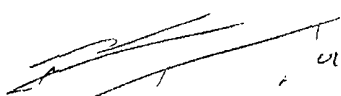
  
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Review

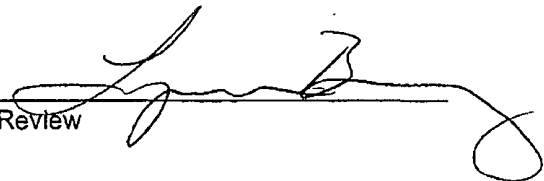
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Sample ID:	12291003S	Date Reported:	12-30-10
Lab ID#:	56930	Date Sampled:	12-29-10
Sample Matrix:	Soil	Date Received:	12-30-10
Preservative:	Cool	Date Analyzed:	12-30-10
Condition:	Intact	Chain of Custody:	10983

Parameter	Concentration (mg/Kg)
Total Chloride	60

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: Jic 89 #5

  
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Analyst

  
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Review

RUSH

# CHAIN OF CUSTODY RECORD

10983

Client: <b>ENERGEN</b>		Project Name / Location: <b>JTC 89#5</b>			ANALYSIS / PARAMETERS												
Client Address: <b>2010 AFTON</b>		Sampler Name: <b>Michael Dean</b>			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.: <b>505-793-7611</b>		Client No.: <b>03022-0168</b>															
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl <sub>2</sub> HCl											
12291001W	12/29	1415	56928	Soil Sludge Solid Aqueous	1			X	X					X	X	Y	Y
12291002C	12/29	1426	56929	Soil Sludge Solid Aqueous	1			X	X					X	X	Y	Y
12291003S	12/29	1445	56930	Soil Sludge Solid Aqueous	1			X	X					X	X	Y	Y
				Soil Sludge Solid Aqueous													
				Soil Sludge Solid Aqueous													
				Soil Sludge Solid Aqueous													
				Soil Sludge Solid Aqueous													
				Soil Sludge Solid Aqueous													
				Soil Sludge Solid Aqueous													
Relinquished by: (Signature) <i>[Signature]</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>					Date	Time				
Relinquished by: (Signature)							Received by: (Signature)										
Relinquished by: (Signature)							Received by: (Signature)										

\* RUSH \*



5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

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

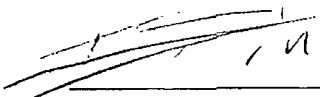
Client:	Energen	Project #:	03022-0168
Sample ID:	122810-I	Date Reported:	12-29-10
Laboratory Number:	56925	Date Sampled:	12-28-10
Chain of Custody No:	10979	Date Received:	12-29-10
Sample Matrix:	Soil	Date Extracted:	12-29-10
Preservative:	Cool	Date Analyzed:	12-29-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
<b>Gasoline Range (C5 - C10)</b>	<b>ND</b>	<b>0.2</b>
<b>Diesel Range (C10 - C28)</b>	<b>13.6</b>	<b>0.1</b>
<b>Total Petroleum Hydrocarbons</b>	<b>13.6</b>	

ND - Parameter not detected at the stated detection limit.

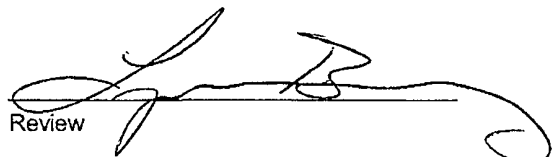
References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Jic 89 #5**




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Analyst




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Review

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

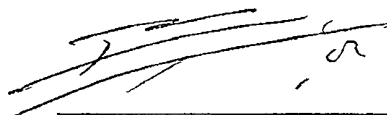
Client:	Energen	Project #:	03022-0168
Sample ID:	122810-O	Date Reported:	12-29-10
Laboratory Number:	56926	Date Sampled:	12-28-10
Chain of Custody No:	10979	Date Received:	12-29-10
Sample Matrix:	Soil	Date Extracted:	12-29-10
Preservative:	Cool	Date Analyzed:	12-29-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.1	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.1	

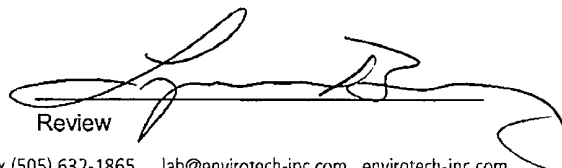
ND - Parameter not detected at the stated detection limit.

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

Comments: **Jic 89 #5**



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Analyst



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Review

Client:	Energen	Project #:	03022-0168
Sample ID:	122810-1	Date Reported:	12-30-10
Laboratory Number:	56925	Date Sampled:	12-28-10
Chain of Custody:	10979	Date Received:	12-29-10
Sample Matrix:	Soil	Date Analyzed:	12-29-10
Preservative:	Cool	Date Extracted:	12-29-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	2.3	0.9
<b>Total BTEX</b>	<b>2.3</b>	


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	108 %
	1,4-difluorobenzene	111 %
	Bromochlorobenzene	102 %

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 89 #5



Analyst



Review

Client:	Energen	Project #:	03022-0168
Sample ID:	122810-O	Date Reported:	12-30-10
Laboratory Number:	56926	Date Sampled:	12-28-10
Chain of Custody:	10979	Date Received:	12-29-10
Sample Matrix:	Soil	Date Analyzed:	12-29-10
Preservative:	Cool	Date Extracted:	12-29-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Def. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	10.4	1.2
o-Xylene	3.9	0.9
<b>Total BTEX</b>	<b>14.3</b>	


ND - Parameter not detected at the stated detection limit.

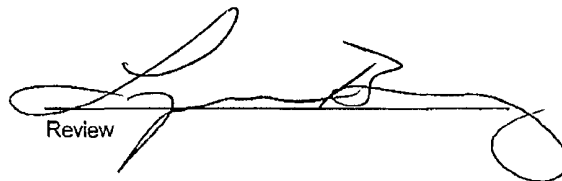
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	109 %
	1,4-difluorobenzene	114 %
	Bromochlorobenzene	101 %

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 89 #5


  
 Analyst


  
 Review



Client:	Energen	Project #:	03022-0168
Sample ID:	122810-1	Date Reported:	12-29-10
Laboratory Number:	56925	Date Sampled:	12-28-10
Chain of Custody No:	10979	Date Received:	12-29-10
Sample Matrix:	Soil	Date Extracted:	12-29-10
Preservative:	Cool	Date Analyzed:	12-29-10
Condition:	Intact	Analysis Needed:	TPH-418.1


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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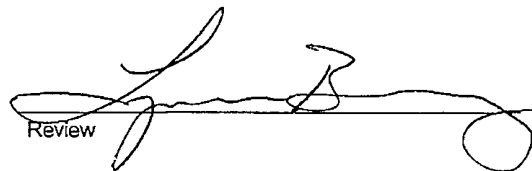
<b>Total Petroleum Hydrocarbons</b>	<b>46.5</b>	<b>19.9</b>
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ND = Parameter not detected at the stated detection limit.

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

Comments: **Jic 89 #5**

  
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Analyst

  
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Review





Client:	Energen	Project #:	03022-0168
Sample ID:	122810-O	Date Reported:	12-29-10
Laboratory Number:	56926	Date Sampled:	12-28-10
Chain of Custody No:	10979	Date Received:	12-29-10
Sample Matrix:	Soil	Date Extracted:	12-29-10
Preservative:	Cool	Date Analyzed:	12-29-10
Condition:	Intact	Analysis Needed:	TPH-418.1


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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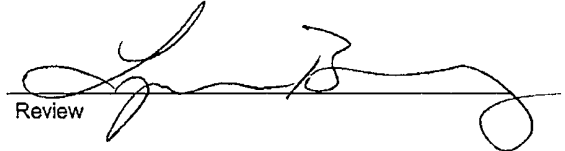
<b>Total Petroleum Hydrocarbons</b>	<b>39.8</b>	<b>19.9</b>
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ND = Parameter not detected at the stated detection limit.

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

Comments: Jic 89 #5

  
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Analyst


  
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Review

Client:	Energen	Project #:	03022-0168
Sample ID:	122810-I	Date Reported:	12-29-10
Lab ID#:	56925	Date Sampled:	12-28-10
Sample Matrix:	Soil	Date Received:	12-29-10
Preservative:	Cool	Date Analyzed:	12-29-10
Condition:	Intact	Chain of Custody:	10979

Parameter	Concentration (mg/Kg)
Total Chloride	60

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: **Jic 89 #5**



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Analyst




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Review

Client:	Energen	Project #:	03022-0168
Sample ID:	122810-O	Date Reported:	12-29-10
Lab ID#:	56926	Date Sampled:	12-28-10
Sample Matrix:	Soil	Date Received:	12-29-10
Preservative:	Cool	Date Analyzed:	12-29-10
Condition:	Intact	Chain of Custody:	10979


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: **Jic 89 #5**



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Analyst



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Review

# CHAIN OF CUSTODY RECORD

10979

Client: <b>ENERGEN</b>			Project Name / Location: <b>JIC 89#5</b>				ANALYSIS / PARAMETERS																						
Client Address: <b>2010 Alton</b>			Sampler Name: <b>K. Campbell</b>				X TPH (Method 8015)	X BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	X	X													
Client Phone No.: <b>713 7611</b>			Client No.: <b>03022-0168</b>												TPH (418.1)	CHLORIDE													
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix		No./Volume of Containers	Preservative		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		
				Soil Solid	Sludge Aqueous		HgCl <sub>2</sub>	HCl																					
122810-I	12/28	1500	56925	Soil Solid	Sludge Aqueous	1			X	X								X	X								✓	✓	
122810-O	12/28	1500	56926	Soil Solid	Sludge Aqueous	1			X	X								X	X								✓	✓	
				Soil Solid	Sludge Aqueous																								
				Soil Solid	Sludge Aqueous																								
				Soil Solid	Sludge Aqueous																								
				Soil Solid	Sludge Aqueous																								
				Soil Solid	Sludge Aqueous																								
				Soil Solid	Sludge Aqueous																								
				Soil Solid	Sludge Aqueous																								
Relinquished by: (Signature) <i>K. Campbell</i>						Date <b>12/29/10</b>	Time <b>11:15</b>	Received by: (Signature) <i>[Signature]</i>						Date <b>12/29/10</b>	Time <b>11:15</b>														
Relinquished by: (Signature)								Received by: (Signature)																					
Relinquished by: (Signature)								Received by: (Signature)																					

**\*RUSH\***  
Call w/ Verbals as soon as available