

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Merrion Oil & Gas Corporation	Contact Philana Thompson
Address 610 Reilly Ave Farmington NM 87401	Telephone No. 505-486-1171
Facility Name Fifield Com 1Z	Facility Type Gas Well

Surface Owner Federal	Mineral Owner Federal	API No. 30-045-33975
-----------------------	-----------------------	----------------------

LOCATION OF RELEASE

Unit Letter H	Section 5	Township 29N	Range 11W	Feet from the 1858	North/South Line FNL	Feet from the 904	East/West Line FEL	County San Juan
------------------	--------------	-----------------	--------------	-----------------------	-------------------------	----------------------	-----------------------	--------------------

Latitude_36.756369_ Longitude_-108.009317 NAD83

NATURE OF RELEASE

Type of Release slow leak from production tank (produced water)	Volume of Release UK	Volume Recovered 120 yards of soil
Source of Release Production Tank	Date and Hour of Occurrence	Date and Hour of Discovery 4/17/2018
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon NMOCD Emmanuel BLM	
By Whom? Philana Thompson	Date and Hour 4/17/2018 Phone and email	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

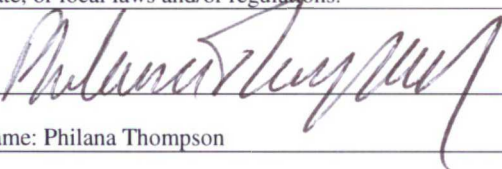
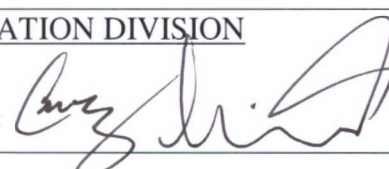
Describe Cause of Problem and Remedial Action Taken.*

While removing production tank after P&A it was discovered that the tank appeared to have a small leak. The contaminated soil was excavated, the site tested and the area backfilled with clean soil from Envirotech

Describe Area Affected and Cleanup Action Taken.*

Under production tank within berm
The contaminated soil was excavated, the site tested and the area backfilled with clean soil from Envirotech

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: Philana Thompson	Approved by Environmental Specialist: 	
Title: Regulatory Compliance Specialist	Approval Date: 6/18/18	Expiration Date:
E-mail Address: pthompson@merrion.bz	Conditions of Approval: —	Attached ☐
Date: 4/18/2018 Phone: 505-486-1171		

* Attach Additional Sheets If Necessary

#NCS1811530255

14

Analytical Report

Report Summary

Client: Merrion Oil & Gas
Chain Of Custody Number:
Samples Received: 4/20/2018 10:06:00AM
Job Number: 03048-0009
Work Order: P804042
Project Name/Location: Fifield 1Z

Report Reviewed By:



Date: 4/30/18

Walter Hinchman, Laboratory Director



Date: 4/30/18

Tim Cain, Project Manager



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

Merrion Oil & Gas
610 Reilly Ave.
Farmington NM, 87401

Project Name: Fifield 1Z
Project Number: 03048-0009
Project Manager: Philana Thompson

Reported:
30-Apr-18 15:29

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Wall	P804042-01A	Soil	04/20/18	04/20/18	Glass Jar, 4 oz.
South Wall	P804042-02A	Soil	04/20/18	04/20/18	Glass Jar, 4 oz.
East Wall	P804042-03A	Soil	04/20/18	04/20/18	Glass Jar, 4 oz.
West Wall	P804042-04A	Soil	04/20/18	04/20/18	Glass Jar, 4 oz.
Floor	P804042-05A	Soil	04/20/18	04/20/18	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

North Wall
P804042-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.2 %		50-150	1817003	04 23 18	04 26 18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1817003	04/23/18	04/26/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1817007	04/24/18	04/26/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %		50-150	1817003	04 23 18	04 26 18	EPA 8015D	
Surrogate: n-Nonane		107 %		50-200	1817007	04 24 18	04 26 18	EPA 8015D	
Anions by 300.0									
Chloride	41.1	20.0	mg/kg	1	1817010	04/25/18	04/26/18	EPA 300.0	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1817013	04/26/18	04/26/18	EPA 418.1	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

South Wall
P804042-02 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %		50-150	1817003	04/23/18	04/26/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1817003	04/23/18	04/26/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1817007	04/24/18	04/26/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		105 %		50-150	1817003	04/23/18	04/26/18	EPA 8015D	
Surrogate: n-Nonane		109 %		50-200	1817007	04/24/18	04/26/18	EPA 8015D	
Anions by 300.0									
Chloride	ND	20.0	mg/kg	1	1817010	04/25/18	04/26/18	EPA 300.0	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1817013	04/26/18	04/26/18	EPA 418.1	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

East Wall
P804042-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %		50-150	1817003	04 23 18	04 26 18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1817003	04/23/18	04/26/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1817007	04/24/18	04/26/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %		50-150	1817003	04 23 18	04 26 18	EPA 8015D	
Surrogate: n-Nonane		113 %		50-200	1817007	04 24 18	04 26 18	EPA 8015D	
Anions by 300.0									
Chloride	ND	20.0	mg/kg	1	1817010	04/25/18	04/26/18	EPA 300.0	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1817013	04/26/18	04/26/18	EPA 418.1	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

West Wall
P804042-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		94.7 %		50-150	1817003	04/23/18	04/26/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1817003	04/23/18	04/26/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1817007	04/24/18	04/26/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %		50-150	1817003	04/23/18	04/26/18	EPA 8015D	
Surrogate: n-Nonane		114 %		50-200	1817007	04/24/18	04/26/18	EPA 8015D	
Anions by 300.0									
Chloride	ND	20.0	mg/kg	1	1817010	04/25/18	04/26/18	EPA 300.0	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1817013	04/26/18	04/26/18	EPA 418.1	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

Floor
P804042-05 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1817003	04/23/18	04/26/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		91.2 %		50-150	1817003	04 23 18	04 26 18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1817003	04/23/18	04/26/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1817007	04/24/18	04/26/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %		50-150	1817003	04 23 18	04 26 18	EPA 8015D	
Surrogate: n-Nonane		115 %		50-200	1817007	04 24 18	04 26 18	EPA 8015D	
Anions by 300.0									
Chloride	34.0	20.0	mg/kg	1	1817010	04/25/18	04/26/18	EPA 300.0	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1817013	04/26/18	04/26/18	EPA 418.1	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1817003 - Purge and Trap EPA 5030A
Blank (1817003-BLK1)

Prepared: 23-Apr-18 Analyzed: 25-Apr-18

Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	7480		"	8000		93.5	50-150			

LCS (1817003-BS1)

Prepared: 23-Apr-18 Analyzed: 25-Apr-18

Benzene	4870	100	ug/kg	5000		97.4	70-130			
Toluene	4770	100	"	5000		95.4	70-130			
Ethylbenzene	4790	100	"	5000		95.8	70-130			
p,m-Xylene	9590	200	"	10000		96.0	70-130			
o-Xylene	4680	100	"	5000		93.7	70-130			
Total Xylenes	14300	100	"	15000		95.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7540		"	8000		94.3	50-150			

Matrix Spike (1817003-MS1)

Source: P804041-01

Prepared: 23-Apr-18 Analyzed: 25-Apr-18

Benzene	4640	100	ug/kg	5000	ND	92.9	54.3-133			
Toluene	4550	100	"	5000	ND	91.0	61.4-130			
Ethylbenzene	4550	100	"	5000	ND	91.1	61.4-133			
p,m-Xylene	9150	200	"	10000	ND	91.5	63.3-131			
o-Xylene	4480	100	"	5000	ND	89.5	63.3-131			
Total Xylenes	13600	100	"	15000	ND	90.8	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7430		"	8000		92.9	50-150			

Matrix Spike Dup (1817003-MSD1)

Source: P804041-01

Prepared: 23-Apr-18 Analyzed: 25-Apr-18

Benzene	4440	100	ug/kg	5000	ND	88.8	54.3-133	4.51	20	
Toluene	4360	100	"	5000	ND	87.2	61.4-130	4.29	20	
Ethylbenzene	4360	100	"	5000	ND	87.2	61.4-133	4.42	20	
p,m-Xylene	8740	200	"	10000	ND	87.5	63.3-131	4.50	20	
o-Xylene	4280	100	"	5000	ND	85.6	63.3-131	4.52	20	
Total Xylenes	13000	100	"	15000	ND	86.8	63.3-131	4.51	20	
Surrogate: 4-Bromochlorobenzene-PID	7480		"	8000		93.5	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1817003 - Purge and Trap EPA 5030A
Blank (1817003-BLK1)

Prepared: 23-Apr-18 Analyzed: 25-Apr-18

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		"	8.00		104	50-150			

LCS (1817003-BS2)

Prepared: 23-Apr-18 Analyzed: 25-Apr-18

Gasoline Range Organics (C6-C10)	50.9	20.0	mg/kg	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.36		"	8.00		104	50-150			

Matrix Spike (1817003-MS2)

Source: P804041-01

Prepared: 23-Apr-18 Analyzed: 25-Apr-18

Gasoline Range Organics (C6-C10)	45.9	20.0	mg/kg	50.0	ND	91.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.30		"	8.00		104	50-150			

Matrix Spike Dup (1817003-MSD2)

Source: P804041-01

Prepared: 23-Apr-18 Analyzed: 26-Apr-18

Gasoline Range Organics (C6-C10)	49.5	20.0	mg/kg	50.0	ND	99.0	70-130	7.57	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		"	8.00		101	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1817007 - DRO Extraction EPA 3570
Blank (1817007-BLK1)

Prepared: 24-Apr-18 Analyzed: 26-Apr-18

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	55.0		"	50.0		110	50-200			

LCS (1817007-BS1)

Prepared: 24-Apr-18 Analyzed: 26-Apr-18

Diesel Range Organics (C10-C28)	499	25.0	mg/kg	500		99.7	38-132			
Surrogate: n-Nonane	53.2		"	50.0		106	50-200			

Matrix Spike (1817007-MS1)

Source: P804042-01

Prepared: 24-Apr-18 Analyzed: 26-Apr-18

Diesel Range Organics (C10-C28)	532	25.0	mg/kg	500	ND	106	38-132			
Surrogate: n-Nonane	57.0		"	50.0		114	50-200			

Matrix Spike Dup (1817007-MSD1)

Source: P804042-01

Prepared: 24-Apr-18 Analyzed: 26-Apr-18

Diesel Range Organics (C10-C28)	519	25.0	mg/kg	500	ND	104	38-132	2.34	20	
Surrogate: n-Nonane	56.7		"	50.0		113	50-200			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

Anions by 300.0 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1817010 - Anion Extraction EPA 300.0/9056A
Blank (1817010-BLK1)

Prepared: 25-Apr-18 Analyzed: 26-Apr-18

Chloride	ND	20.0	mg/kg
----------	----	------	-------

LCS (1817010-BS1)

Prepared: 25-Apr-18 Analyzed: 26-Apr-18

Chloride	257	20.0	mg/kg	250	103	90-110
----------	-----	------	-------	-----	-----	--------

Matrix Spike (1817010-MS1)
Source: P804042-01

Prepared: 25-Apr-18 Analyzed: 26-Apr-18

Chloride	303	20.0	mg/kg	250	41.1	105	80-120
----------	-----	------	-------	-----	------	-----	--------

Matrix Spike Dup (1817010-MSD1)
Source: P804042-01

Prepared: 25-Apr-18 Analyzed: 26-Apr-18

Chloride	300	20.0	mg/kg	250	41.1	104	80-120	0.891	20
----------	-----	------	-------	-----	------	-----	--------	-------	----

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
 610 Reilly Ave.
 Farmington NM, 87401

 Project Name: Fifield 1Z
 Project Number: 03048-0009
 Project Manager: Philana Thompson

Reported:
 30-Apr-18 15:29

Total Petroleum Hydrocarbons by 418.1 - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1817013 - 418 Freon Extraction
Blank (1817013-BLK1)

Prepared & Analyzed: 26-Apr-18

Total Petroleum Hydrocarbons ND 40.0 mg/kg

LCS (1817013-BS1)

Prepared & Analyzed: 26-Apr-18

Total Petroleum Hydrocarbons 1080 40.0 mg/kg 1000 108 80-120

Matrix Spike (1817013-MS1)
Source: P804042-01

Prepared & Analyzed: 26-Apr-18

Total Petroleum Hydrocarbons 1080 40.0 mg/kg 1000 ND 108 70-130

Matrix Spike Dup (1817013-MSD1)
Source: P804042-01

Prepared & Analyzed: 26-Apr-18

Total Petroleum Hydrocarbons 1090 40.0 mg/kg 1000 ND 109 70-130 1.47 30

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Merrion Oil & Gas
610 Reilly Ave.
Farmington NM, 87401

Project Name: Fifield 1Z
Project Number: 03048-0009
Project Manager: Philana Thompson

Reported:
30-Apr-18 15:29

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

Client: <u>Merrion Oil & Gas</u>		Report Attention		Lab Use Only		TAT		EPA Program				
Project: <u>Field 12</u>		Report due by:		Lab WO# <u>P 804042</u>		Job Number <u>03048-0009</u>		1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Philina Thompson</u>		Attention:										
Address: <u>610 Reilly</u>		Address:										
City, State, Zip: <u>Farmington, NM 87401</u>		City, State, Zip:										
Phone: <u>505-482-1171</u>		Phone:										
Email: <u>PThompson@merrion.biz</u>		Email:										

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	State	Remarks
8:32	4/20	S	1	North Wall	1		/	/			/	/	NM	
8:30	4/20			South Wall	2		/	/			/	/	CO	
8:30	4/20			East Wall	3		/	/			/	/	UT	
8:33	4/20			West Wall	4		/	/			/	/	AZ	
8:34	4/20			Floor	5		/	/			/	/		

Additional Instructions: vis. ice in cooler -m

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Steven Calkins

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>Steve Calkins</u>	<u>4/20/18</u>	<u>10:00 AM</u>	<u>Steve Calkins</u>	<u>4-20-18</u>	<u>10:06</u>	Received on ice: <u>Y</u> / N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 <u>4.0</u> T2 T3
						AVG Temp °C <u>4.0</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.