

Analytical Report

Report Summary

Client: Coleman Oil & Gas

Samples Received: 8/20/2020

Job Number: 05206-0001

Work Order: P008066

Project Name/Location: Hodges #15

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 8/27/20

Walter Hinchman, Laboratory Director



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.
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Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.





Coleman Oil & Gas
P.O. Box 3337
Farmington NM, 87499

Project Name: Hodges #15
Project Number: 05206-0001
Project Manager: Bruce Taylor

Reported:
08/27/20 14:02

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Soil Hodges #15 BGT	P008066-01A	Soil	08/20/20	08/20/20	Glass Jar, 4 oz.

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Coleman Oil & Gas	Project Name:	Hodges #15	Reported: 08/27/20 14:02
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Bruce Taylor	

**Soil Hodges #15 BGT
P008066-01 (Solid)**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2035008
Benzene	1.90	0.250	10	08/24/20	08/26/20	
Toluene	2.12	0.250	10	08/24/20	08/26/20	
Ethylbenzene	0.999	0.250	10	08/24/20	08/26/20	
p,m-Xylene	111	0.500	10	08/24/20	08/26/20	
o-Xylene	12.1	0.250	10	08/24/20	08/26/20	
Total Xylenes	123	0.250	10	08/24/20	08/26/20	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50-150	08/24/20	08/26/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2035008
Gasoline Range Organics (C6-C10)	813	200	10	08/24/20	08/26/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	50-150	08/24/20	08/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2035012
Diesel Range Organics (C10-C28)	2620	50.0	2	08/24/20	08/25/20	
Oil Range Organics (C28-C40)	488	100	2	08/24/20	08/25/20	
Surrogate: n-Nonane		654 %	50-200	08/24/20	08/25/20	SS
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2035013
Chloride	23.4	20.0	1	08/25/20	08/25/20	

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Coleman Oil & Gas	Project Name:	Hodges #15	Reported:
P.O. Box 3337	Project Number:	05206-0001	08/27/20 14:02
Farmington NM, 87499	Project Manager:	Bruce Taylor	

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2035008-BLK1)

Prepared: 08/24/20 | Analyzed: 08/25/20 |

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	50-150			

LCS (2035008-BS1)

Prepared: 08/24/20 | Analyzed: 08/25/20 |

Benzene	5.13	0.0250	5.00		103	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
Total Xylenes	15.4	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.47		8.00		106	50-150			

Matrix Spike (2035008-MS1)

Source: P008061-21

Prepared: 08/24/20 | Analyzed: 08/25/20 |

Benzene	5.31	0.0250	5.00	ND	106	54-133			
Toluene	5.31	0.0250	5.00	ND	106	61-130			
Ethylbenzene	5.27	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
o-Xylene	5.31	0.0250	5.00	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	50-150			

Matrix Spike Dup (2035008-MSD1)

Source: P008061-21

Prepared: 08/24/20 | Analyzed: 08/25/20 |

Benzene	5.16	0.0250	5.00	ND	103	54-133	2.89	20	
Toluene	5.14	0.0250	5.00	ND	103	61-130	3.22	20	
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133	3.16	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.16	20	
o-Xylene	5.14	0.0250	5.00	ND	103	63-131	3.28	20	
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131	3.20	20	
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	50-150			

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Coleman Oil & Gas	Project Name:	Hodges #15	Reported: 08/27/20 14:02
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Bruce Taylor	

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2035008-BLK1)

Prepared: 08/24/20 1 Analyzed: 08/25/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	50-150			

LCS (2035008-BS2)

Prepared: 08/24/20 1 Analyzed: 08/25/20 1

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	50-150			

Matrix Spike (2035008-MS2)

Source: P008061-21

Prepared: 08/24/20 1 Analyzed: 08/25/20 1

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	50-150			

Matrix Spike Dup (2035008-MSD2)

Source: P008061-21

Prepared: 08/24/20 1 Analyzed: 08/25/20 1

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	85.9	70-130	5.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	50-150			

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Coleman Oil & Gas	Project Name:	Hodges #15	
P.O. Box 3337	Project Number:	05206-0001	Reported:
Farmington NM, 87499	Project Manager:	Bruce Taylor	08/27/20 14:02

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2035012-BLK1)

Prepared: 08/24/20 | Analyzed: 08/25/20 0

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	53.3		50.0		107	50-200			

LCS (2035012-BS1)

Prepared: 08/24/20 | Analyzed: 08/25/20 0

Diesel Range Organics (C10-C28)	476	25.0	500		95.2	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike (2035012-MS1)

Source: P008061-23 Prepared: 08/24/20 | Analyzed: 08/25/20 0

Diesel Range Organics (C10-C28)	505	25.0	500	ND	101	38-132			
Surrogate: n-Nonane	25.5		50.0		51.0	50-200			

Matrix Spike Dup (2035012-MSD1)

Source: P008061-23 Prepared: 08/24/20 | Analyzed: 08/25/20 0

Diesel Range Organics (C10-C28)	498	25.0	500	ND	99.7	38-132	1.29	20	
Surrogate: n-Nonane	43.9		50.0		87.9	50-200			

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Coleman Oil & Gas	Project Name:	Hodges #15	
P.O. Box 3337	Project Number:	05206-0001	Reported:
Farmington NM, 87499	Project Manager:	Bruce Taylor	08/27/20 14:02

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035013-BLK1)					Prepared: 08/25/20 0 Analyzed: 08/25/20 1				
Chloride	ND	20.0							
LCS (2035013-BS1)					Prepared: 08/25/20 0 Analyzed: 08/25/20 1				
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2035013-MS1)					Source: P008061-21 Prepared: 08/25/20 0 Analyzed: 08/25/20 1				
Chloride	308	20.0	250	55.3	101	80-120			
Matrix Spike Dup (2035013-MSD1)					Source: P008061-21 Prepared: 08/25/20 0 Analyzed: 08/25/20 1				
Chloride	311	20.0	250	55.3	102	80-120	1.11	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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Coleman Oil & Gas
P.O. Box 3337
Farmington NM, 87499

Project Name: Hodges #15
Project Number: 05206-0001
Project Manager: Bruce Taylor

Reported:
08/27/20 14:02

Notes and Definitions

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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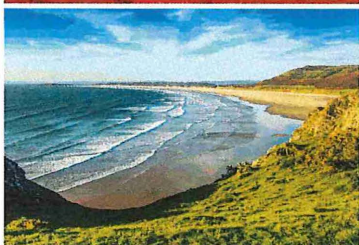
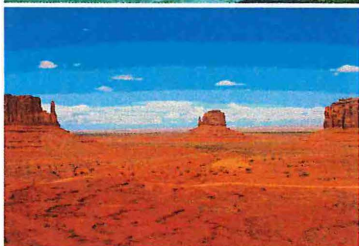
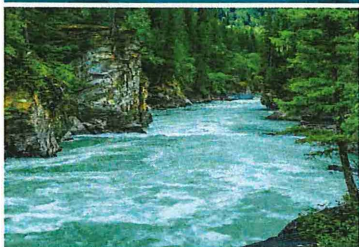
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Page 9 of 9

Report to:
Vanessa Fields

P.O. Box 3337
Farmington, NM 87499



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Farmington, NM 87401

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Envirotech-inc.com



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Practical Solutions for a Better Tomorrow

Analytical Report

Coleman Oil & Gas

Project Name: Newsome B #014

Work Order: E010133

Job Number: 05206-0001

Received: 10/29/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/5/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 11/5/20

Vanessa Fields
P.O. Box 3337
Farmington, NM 87499



Project Name: Newsome B #014
Workorder: E010133
Date Received: 10/29/2020 2:48:00PM

Vanessa Fields,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/29/2020 2:48:00PM, under the Project Name: Newsome B #014.

The analytical test results summarized in this report with the Project Name: Newsome B #014 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW Wall Composite	5
Base	6
NE Wall	7
QC Summary Data	8
QC - Volatile Organics by EPA 8021B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported: 11/05/20 14:53
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW Wall Composite	E010133-01A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
Base	E010133-02A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
NE Wall	E010133-03A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.

Sample Data

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported: 11/5/2020 2:53:50PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

SW Wall Composite

E010133-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/03/20	
Toluene	ND	0.0250	1	11/02/20	11/03/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/03/20	
p,m-Xylene	0.210	0.0500	1	11/02/20	11/03/20	
o-Xylene	0.0854	0.0250	1	11/02/20	11/03/20	
Total Xylenes	0.296	0.0250	1	11/02/20	11/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	597	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	288	50.0	1	11/04/20	11/05/20	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	11/04/20	11/05/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	57.0	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported: 11/5/2020 2:53:50PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

Base

E010133-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/03/20	
Toluene	ND	0.0250	1	11/02/20	11/03/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/03/20	
p,m-Xylene	ND	0.0500	1	11/02/20	11/03/20	
o-Xylene	ND	0.0250	1	11/02/20	11/03/20	
Total Xylenes	ND	0.0250	1	11/02/20	11/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	70.7	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	54.1	50.0	1	11/04/20	11/05/20	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	11/04/20	11/05/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	46.5	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported: 11/5/2020 2:53:50PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

NE Wall

E010133-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/03/20	
Toluene	ND	0.0250	1	11/02/20	11/03/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/03/20	
p,m-Xylene	ND	0.0500	1	11/02/20	11/03/20	
o-Xylene	ND	0.0250	1	11/02/20	11/03/20	
Total Xylenes	ND	0.0250	1	11/02/20	11/03/20	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/03/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	257	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	153	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane		101 %	50-200	11/04/20	11/05/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	57.1	20.0	1	11/03/20	11/03/20	



QC Summary Data

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:53:50PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2045007-BLK1)

Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			

LCS (2045007-BS1)

Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	5.00	0.0250	5.00		99.9	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
o-Xylene	4.98	0.0250	5.00		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			

Matrix Spike (2045007-MS1)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	5.91	0.0250	5.00	ND	118	54-133			
Toluene	5.91	0.0250	5.00	0.0274	118	61-130			
Ethylbenzene	5.88	0.0250	5.00	ND	118	61-133			
p,m-Xylene	12.2	0.0500	10.0	0.265	119	63-131			
o-Xylene	6.04	0.0250	5.00	0.0726	119	63-131			
Total Xylenes	18.2	0.0250	15.0	0.337	119	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			

Matrix Spike Dup (2045007-MSD1)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	5.32	0.0250	5.00	ND	106	54-133	10.6	20	
Toluene	5.28	0.0250	5.00	0.0274	105	61-130	11.3	20	
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133	11.3	20	
p,m-Xylene	10.8	0.0500	10.0	0.265	105	63-131	12.5	20	
o-Xylene	5.36	0.0250	5.00	0.0726	106	63-131	12.1	20	
Total Xylenes	16.1	0.0250	15.0	0.337	105	63-131	12.3	20	
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			



QC Summary Data

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:53:50PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2045007-BLK1)

Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		8.00		85.9	70-130			

LCS (2045007-BS2)

Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			

Matrix Spike (2045007-MS2)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	62.2	20.0	50.0	ND	124	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.7	70-130			

Matrix Spike Dup (2045007-MSD2)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	7.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			



QC Summary Data

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:53:50PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2045027-BLK1)

Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

LCS (2045027-BS1)

Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	435	25.0	500		87.1	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike (2045027-MS1)

Source: E010132-04 Prepared: 11/04/20 Analyzed: 11/05/20

Diesel Range Organics (C10-C28)	2650	50.0	500	1970	136	38-132			M2
Surrogate: n-Nonane	63.7		50.0		127	50-200			

Matrix Spike Dup (2045027-MSD1)

Source: E010132-04 Prepared: 11/04/20 Analyzed: 11/05/20

Diesel Range Organics (C10-C28)	2650	50.0	500	1970	138	38-132	0.351	20	M2
Surrogate: n-Nonane	66.5		50.0		133	50-200			



QC Summary Data

Coleman Oil & Gas	Project Name:	Newsome B #014	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:53:50PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2045017-BLK1)					Prepared: 11/03/20 Analyzed: 11/03/20				
Chloride	ND	20.0							
LCS (2045017-BS1)					Prepared: 11/03/20 Analyzed: 11/03/20				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2045017-MS1)					Source: E010132-01 Prepared: 11/03/20 Analyzed: 11/03/20				
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2045017-MSD1)					Source: E010132-01 Prepared: 11/03/20 Analyzed: 11/03/20				
Chloride	253	20.0	250	ND	101	80-120	0.0316	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Coleman Oil & Gas
P.O. Box 3337
Farmington NM, 87499

Project Name: Newsome B #014
Project Number: 05206-0001
Project Manager: Vanessa Fields

Reported:
11/05/20 14:53

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

Note (1): Methods marked with ** are non-accredited methods.

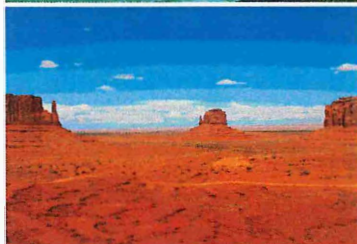
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



[illegible]

Report to:
Vanessa Fields

P.O. Box 3337
Farmington, NM 87499



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Coleman Oil & Gas

Project Name: Hodges #015

Work Order: E010132

Job Number: 05206-0001

Received: 10/29/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/5/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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. holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 11/5/20

Vanessa Fields
P.O. Box 3337
Farmington, NM 87499



Project Name: Hodges #015
Workorder: E010132
Date Received: 10/29/2020 2:48:00PM

Vanessa Fields,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/29/2020 2:48:00PM, under the Project Name: Hodges #015.

The analytical test results summarized in this report with the Project Name: Hodges #015 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
South Base	5
North Base	6
Center Grab Sample	7
West Wall #001	8
West Wall #002	9
East Wall #002	10
East Wall #001	11
South Wall	12
North Wall	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/05/20 14:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South Base	E010132-01A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
North Base	E010132-02A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
Center Grab Sample	E010132-03A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
West Wall #001	E010132-04A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
West Wall #002	E010132-05A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
East Wall #002	E010132-06A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
East Wall #001	E010132-07A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
South Wall	E010132-08A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.
North Wall	E010132-09A	Soil	10/29/20	10/29/20	Glass Jar, 4 oz.

Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

South Base

E010132-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/04/20	
Toluene	0.0274	0.0250	1	11/02/20	11/04/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/04/20	
p,m-Xylene	0.265	0.0500	1	11/02/20	11/04/20	
o-Xylene	0.0726	0.0250	1	11/02/20	11/04/20	
Total Xylenes	0.337	0.0250	1	11/02/20	11/04/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/04/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	384	25.0	1	11/04/20	11/04/20	
Oil Range Organics (C28-C35)	143	50.0	1	11/04/20	11/04/20	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	11/04/20	11/04/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	ND	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

North Base

E010132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/04/20	
Toluene	0.0495	0.0250	1	11/02/20	11/04/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/04/20	
p,m-Xylene	0.359	0.0500	1	11/02/20	11/04/20	
o-Xylene	0.162	0.0250	1	11/02/20	11/04/20	
Total Xylenes	0.521	0.0250	1	11/02/20	11/04/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/04/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.6 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	1220	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	445	50.0	1	11/04/20	11/05/20	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	11/04/20	11/05/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	ND	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43 PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

Center Grab Sample

E010132-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.250	10	11/02/20	11/04/20	
Toluene	1.72	0.250	10	11/02/20	11/04/20	
Ethylbenzene	8.38	0.250	10	11/02/20	11/04/20	
p,m-Xylene	103	0.500	10	11/02/20	11/04/20	
o-Xylene	22.6	0.250	10	11/02/20	11/04/20	
Total Xylenes	126	0.250	10	11/02/20	11/04/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	1210	200	10	11/02/20	11/04/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	4770	125	5	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	888	250	5	11/04/20	11/05/20	
<i>Surrogate: n-Nonane</i>						
		498 %	50-200	11/04/20	11/05/20	SS
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	ND	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

West Wall #001

E010132-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/04/20	
Toluene	ND	0.0250	1	11/02/20	11/04/20	
Ethylbenzene	0.111	0.0250	1	11/02/20	11/04/20	
p,m-Xylene	0.434	0.0500	1	11/02/20	11/04/20	
o-Xylene	0.0615	0.0250	1	11/02/20	11/04/20	
Total Xylenes	0.496	0.0250	1	11/02/20	11/04/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		111 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/04/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.6 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	1970	50.0	2	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	1050	100	2	11/04/20	11/05/20	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	11/04/20	11/05/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	71.5	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

West Wall #002

E010132-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/04/20	
Toluene	ND	0.0250	1	11/02/20	11/04/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/04/20	
p,m-Xylene	0.103	0.0500	1	11/02/20	11/04/20	
o-Xylene	ND	0.0250	1	11/02/20	11/04/20	
Total Xylenes	0.103	0.0250	1	11/02/20	11/04/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/04/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.4 %	70-130	11/02/20	11/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	355	25.0	1	11/04/20	11/04/20	
Oil Range Organics (C28-C35)	118	50.0	1	11/04/20	11/04/20	
<i>Surrogate: n-Nonane</i>						
		98.5 %	50-200	11/04/20	11/04/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	ND	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

East Wall #002

E010132-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/03/20	
Toluene	ND	0.0250	1	11/02/20	11/03/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/03/20	
p,m-Xylene	0.0612	0.0500	1	11/02/20	11/03/20	
o-Xylene	ND	0.0250	1	11/02/20	11/03/20	
Total Xylenes	0.0612	0.0250	1	11/02/20	11/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	408	25.0	1	11/04/20	11/04/20	
Oil Range Organics (C28-C35)	152	50.0	1	11/04/20	11/04/20	
<i>Surrogate: n-Nonane</i>						
		95.6 %	50-200	11/04/20	11/04/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	ND	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43 PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

East Wall #001

E010132-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/03/20	
Toluene	ND	0.0250	1	11/02/20	11/03/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/03/20	
p,m-Xylene	ND	0.0500	1	11/02/20	11/03/20	
o-Xylene	ND	0.0250	1	11/02/20	11/03/20	
Total Xylenes	ND	0.0250	1	11/02/20	11/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.7 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	483	25.0	1	11/04/20	11/04/20	
Oil Range Organics (C28-C35)	178	50.0	1	11/04/20	11/04/20	
<i>Surrogate: n-Nonane</i>						
		96.3 %	50-200	11/04/20	11/04/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	34.2	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43 PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

South Wall

E010132-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/03/20	
Toluene	ND	0.0250	1	11/02/20	11/03/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/03/20	
p,m-Xylene	0.103	0.0500	1	11/02/20	11/03/20	
o-Xylene	0.0329	0.0250	1	11/02/20	11/03/20	
Total Xylenes	0.136	0.0250	1	11/02/20	11/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.4 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	280	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	79.8	50.0	1	11/04/20	11/05/20	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	11/04/20	11/05/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	ND	20.0	1	11/03/20	11/03/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 11/5/2020 2:51:43PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

North Wall

E010132-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Benzene	ND	0.0250	1	11/02/20	11/03/20	
Toluene	ND	0.0250	1	11/02/20	11/03/20	
Ethylbenzene	ND	0.0250	1	11/02/20	11/03/20	
p,m-Xylene	ND	0.0500	1	11/02/20	11/03/20	
o-Xylene	ND	0.0250	1	11/02/20	11/03/20	
Total Xylenes	ND	0.0250	1	11/02/20	11/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2045007
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/20	11/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	11/02/20	11/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2045027
Diesel Range Organics (C10-C28)	398	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	146	50.0	1	11/04/20	11/05/20	
<i>Surrogate: n-Nonane</i>		100 %	50-200	11/04/20	11/05/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: NE		Batch: 2045017
Chloride	38.5	20.0	1	11/03/20	11/03/20	



QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:51:43PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2045007-BLK1)

Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			

LCS (2045007-BS1)

Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	5.00	0.0250	5.00		99.9	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130			
o-Xylene	4.98	0.0250	5.00		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			

Matrix Spike (2045007-MS1)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	5.91	0.0250	5.00	ND	118	54-133			
Toluene	5.91	0.0250	5.00	0.0274	118	61-130			
Ethylbenzene	5.88	0.0250	5.00	ND	118	61-133			
p,m-Xylene	12.2	0.0500	10.0	0.265	119	63-131			
o-Xylene	6.04	0.0250	5.00	0.0726	119	63-131			
Total Xylenes	18.2	0.0250	15.0	0.337	119	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.43		8.00		105	70-130			

Matrix Spike Dup (2045007-MSD1)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Benzene	5.32	0.0250	5.00	ND	106	54-133	10.6	20	
Toluene	5.28	0.0250	5.00	0.0274	105	61-130	11.3	20	
Ethylbenzene	5.26	0.0250	5.00	ND	105	61-133	11.3	20	
p,m-Xylene	10.8	0.0500	10.0	0.265	105	63-131	12.5	20	
o-Xylene	5.36	0.0250	5.00	0.0726	106	63-131	12.1	20	
Total Xylenes	16.1	0.0250	15.0	0.337	105	63-131	12.3	20	
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			



QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:51:43PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2045007-BLK1)

Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		8.00		85.9	70-130			

LCS (2045007-BS2)

Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			

Matrix Spike (2045007-MS2)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	62.2	20.0	50.0	ND	124	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.7	70-130			

Matrix Spike Dup (2045007-MSD2)

Source: E010132-01 Prepared: 11/02/20 Analyzed: 11/04/20

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	7.82	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			



QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:51:43PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2045027-BLK1)

Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

LCS (2045027-BS1)

Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	435	25.0	500		87.1	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike (2045027-MS1)

Source: E010132-04 Prepared: 11/04/20 Analyzed: 11/05/20

Diesel Range Organics (C10-C28)	2650	50.0	500	1970	136	38-132			M2
Surrogate: n-Nonane	63.7		50.0		127	50-200			

Matrix Spike Dup (2045027-MSD1)

Source: E010132-04 Prepared: 11/04/20 Analyzed: 11/05/20

Diesel Range Organics (C10-C28)	2650	50.0	500	1970	138	38-132	0.351	20	M2
Surrogate: n-Nonane	66.5		50.0		133	50-200			



QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	11/5/2020 2:51:43PM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2045017-BLK1)

Prepared: 11/03/20 Analyzed: 11/03/20

Chloride	ND	20.0
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LCS (2045017-BS1)

Prepared: 11/03/20 Analyzed: 11/03/20

Chloride	253	20.0	250	101	90-110
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Matrix Spike (2045017-MS1)

Source: E010132-01 Prepared: 11/03/20 Analyzed: 11/03/20

Chloride	253	20.0	250	ND	101	80-120
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Matrix Spike Dup (2045017-MSD1)

Source: E010132-01 Prepared: 11/03/20 Analyzed: 11/03/20

Chloride	253	20.0	250	ND	101	80-120	0.0316	20
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Coleman Oil & Gas
P.O. Box 3337
Farmington NM, 87499

Project Name: Hodges #015
Project Number: 05206-0001
Project Manager: Vanessa Fields

Reported:
11/05/20 14:51

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>Edman Oil Gas</u>				Attention: <u>M. Hanson</u>				Lab Use Only				TAT				EPA Program					
Project: <u>Hodgson 5</u>				Address: <u>M. Hanson</u>				Lab WO# <u>E010132</u>				Job Number <u>352000001</u>				1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Vanesse Fields</u>				City, State, Zip				Analysis and Method								RCRA					
Address: <u>7541 E Main St</u>				City, State, Zip																	
City, State, Zip: <u>Terre Haute, IN 47062</u>				Phone: <u>317-330-2703</u>																	
Phone: <u>317-330-2703</u>				Email: <u>m.hanson@cofem.com</u>																	
Email: <u>crine@cofem.com</u>				Report due by: <u>Standard</u>																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0										
0955	10/21/20		1402	South Base	1	X	X	X			X										
1001				North Base	2	X	X	X			X										
1100				Center Grab Sample	3	X	X	X			X										
1048				West Wall #001	4	X	X	X			X										
1056				West Wall #002	5	X	X	X			X										
1046				East Wall #002	6	X	X	X			X										
1025				East Wall #001	7	X	X	X			X										
1030				South Wall	8	X	X	X			X										
1015				North Wall	9	X	X	X			X										
Additional Instructions:																					
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.												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					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on ice: <u>(Y)</u> N					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		T1 _____ T2 _____ T3 _____					
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		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.																					

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Coleman Oil & Gas	Date Received:	10/29/20 14:48	Work Order ID:	E010132
Phone:	505-327-0356	Date Logged In:	10/29/20 15:47	Logged In By:	Alexa Michaels
Email:	vanessa@walsheng.net	Due Date:	11/05/20 17:00 (5 day TAT)		

Chain of Custody (COC)

- | | |
|---|-----|
| 1. Does the sample ID match the COC? | Yes |
| 2. Does the number of samples per sampling site location match the COC | Yes |
| 3. Were samples dropped off by client or carrier? | Yes |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes |
| 5. Were all samples received within holding time? | Yes |

Carrier: Vanessa Fields

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- | | |
|---|-----|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes |
|---|-----|

Sample Cooler

- | | |
|--|-----|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| 11. If yes, were custody/security seals intact? | NA |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C | No |

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- | | |
|---|-----|
| 13. If no visible ice, record the temperature. Actual sample temperature: | 4°C |
|---|-----|

Sample Container

- | | |
|--|-----|
| 14. Are aqueous VOC samples present? | No |
| 15. Are VOC samples collected in VOA Vials? | NA |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA |
| 17. Was a trip blank (TB) included for VOC analyses? | NA |
| 18. Are non-VOC samples collected in the correct containers? | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

Field Label

- | | |
|---|-----|
| 20. Were field sample labels filled out with the minimum information: | |
| Sample ID? | Yes |
| Date/Time Collected? | Yes |
| Collectors name? | No |

Sample Preservation

- | | |
|---|----|
| 21. Does the COC or field labels indicate the samples were preserved? | No |
| 22. Are sample(s) correctly preserved? | NA |
| 24. Is lab filtration required and/or requested for dissolved metals? | No |

Multiphase Sample Matrix

- | | |
|--|----|
| 26. Does the sample have more than one phase, i.e., multiphase? | No |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA |

Subcontract Laboratory

- | | |
|---|------------------------|
| 28. Are samples required to get sent to a subcontract laboratory? | No |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA Subcontract Lab: NA |

Client Instruction

Comments/Resolution

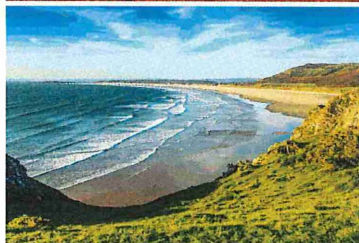
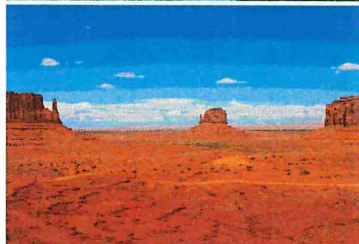
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Vanessa Fields



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Coleman Oil & Gas

Project Name: Hodges #015

Work Order: E012003

Job Number: 05206-0001

Received: 12/2/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/3/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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. holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 12/3/20

Vanessa Fields
P.O. Box 3337
Farmington, NM 87499



Project Name: Hodges #015
Workorder: E012003
Date Received: 12/2/2020 10:43:00AM

Vanessa Fields,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2020 10:43:00AM, under the Project Name: Hodges #015.

The analytical test results summarized in this report with the Project Name: Hodges #015 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
West Wall #001	5
North Base	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	12/03/20 12:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Wall #001	E012003-01A	Soil	12/02/20	12/02/20	Glass Jar, 4 oz.
North Base	E012003-02A	Soil	12/02/20	12/02/20	Glass Jar, 4 oz.

Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 12/3/2020 12:40:24PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

West Wall #001

E012003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2049020
Benzene	ND	0.0250	1	12/02/20	12/02/20	
Toluene	0.0769	0.0250	1	12/02/20	12/02/20	
Ethylbenzene	0.101	0.0250	1	12/02/20	12/02/20	
p,m-Xylene	1.29	0.0500	1	12/02/20	12/02/20	
o-Xylene	0.285	0.0250	1	12/02/20	12/02/20	
Total Xylenes	1.58	0.0250	1	12/02/20	12/02/20	
Surrogate: 4-Bromochlorobenzene-PID		106 %	70-130	12/02/20	12/02/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2049020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/20	12/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.8 %	70-130	12/02/20	12/02/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2049022
Diesel Range Organics (C10-C28)	131	25.0	1	12/02/20	12/02/20	
Oil Range Organics (C28-C35)	65.9	50.0	1	12/02/20	12/02/20	
Surrogate: n-Nonane		107 %	50-200	12/02/20	12/02/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2049021
Chloride	ND	20.0	1	12/02/20	12/02/20	



Sample Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported: 12/3/2020 12:40:24PM
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	

North Base

E012003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2049020
Benzene	ND	0.0250	1	12/02/20	12/02/20	
Toluene	0.0403	0.0250	1	12/02/20	12/02/20	
Ethylbenzene	0.0319	0.0250	1	12/02/20	12/02/20	
p,m-Xylene	0.453	0.0500	1	12/02/20	12/02/20	
o-Xylene	0.104	0.0250	1	12/02/20	12/02/20	
Total Xylenes	0.557	0.0250	1	12/02/20	12/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	12/02/20	12/02/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2049020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/02/20	12/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.5 %	70-130	12/02/20	12/02/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2049022
Diesel Range Organics (C10-C28)	42.6	25.0	1	12/02/20	12/02/20	
Oil Range Organics (C28-C35)	ND	50.0	1	12/02/20	12/02/20	
<i>Surrogate: n-Nonane</i>						
		95.8 %	50-200	12/02/20	12/02/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2049021
Chloride	ND	20.0	1	12/02/20	12/02/20	



QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	12/3/2020 12:40:24PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2049020-BLK1)

Prepared: 12/02/20 Analyzed: 12/02/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID 8.18 8.00 102 70-130

LCS (2049020-BS1)

Prepared: 12/02/20 Analyzed: 12/02/20

Benzene	5.06	0.0250	5.00		101	70-130			
Toluene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.34	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
o-Xylene	5.42	0.0250	5.00		108	70-130			
Total Xylenes	16.3	0.0250	15.0		108	70-130			

Surrogate: 4-Bromochlorobenzene-PID 8.41 8.00 105 70-130

Matrix Spike (2049020-MS1)

Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20

Benzene	5.03	0.0250	5.00	ND	101	54-133			
Toluene	5.35	0.0250	5.00	0.0769	105	61-130			
Ethylbenzene	5.45	0.0250	5.00	0.101	107	61-133			
p,m-Xylene	12.1	0.0500	10.0	1.29	108	63-131			
o-Xylene	5.66	0.0250	5.00	0.285	107	63-131			
Total Xylenes	17.8	0.0250	15.0	1.58	108	63-131			

Surrogate: 4-Bromochlorobenzene-PID 8.71 8.00 109 70-130

Matrix Spike Dup (2049020-MSD1)

Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20

Benzene	5.09	0.0250	5.00	ND	102	54-133	1.21	20	
Toluene	5.36	0.0250	5.00	0.0769	106	61-130	0.220	20	
Ethylbenzene	5.48	0.0250	5.00	0.101	107	61-133	0.416	20	
p,m-Xylene	11.9	0.0500	10.0	1.29	106	63-131	1.67	20	
o-Xylene	5.64	0.0250	5.00	0.285	107	63-131	0.317	20	
Total Xylenes	17.6	0.0250	15.0	1.58	107	63-131	1.24	20	

Surrogate: 4-Bromochlorobenzene-PID 8.56 8.00 107 70-130

QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	12/3/2020 12:40:24PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2049020-BLK1)

Prepared: 12/02/20 Analyzed: 12/02/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			

LCS (2049020-BS2)

Prepared: 12/02/20 Analyzed: 12/02/20

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		8.00		86.8	70-130			

Matrix Spike (2049020-MS2)

Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20

Gasoline Range Organics (C6-C10)	69.1	20.0	50.0	ND	138	70-130			M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.95		8.00		86.9	70-130			

Matrix Spike Dup (2049020-MSD2)

Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20

Gasoline Range Organics (C6-C10)	64.4	20.0	50.0	ND	129	70-130	7.16	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130			



QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	12/3/2020 12:40:24PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2049022-BLK1)

Prepared: 12/02/20 Analyzed: 12/02/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	51.8		50.0		104	50-200			

LCS (2049022-BS1)

Prepared: 12/02/20 Analyzed: 12/02/20

Diesel Range Organics (C10-C28)	468	25.0	500		93.6	38-132			
Surrogate: n-Nonane	52.6		50.0		105	50-200			

Matrix Spike (2049022-MS1)

Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20

Diesel Range Organics (C10-C28)	630	25.0	500	131	99.8	38-132			
Surrogate: n-Nonane	57.7		50.0		115	50-200			

Matrix Spike Dup (2049022-MSD1)

Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20

Diesel Range Organics (C10-C28)	594	25.0	500	131	92.7	38-132	5.85	20	
Surrogate: n-Nonane	54.5		50.0		109	50-200			



QC Summary Data

Coleman Oil & Gas	Project Name:	Hodges #015	Reported:
P.O. Box 3337	Project Number:	05206-0001	
Farmington NM, 87499	Project Manager:	Vanessa Fields	12/3/2020 12:40:24PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2049021-BLK1)					Prepared: 12/02/20 Analyzed: 12/02/20				
Chloride	ND	20.0							
LCS (2049021-BS1)					Prepared: 12/02/20 Analyzed: 12/02/20				
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2049021-MS1)					Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20				
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2049021-MSD1)					Source: E012003-01 Prepared: 12/02/20 Analyzed: 12/02/20				
Chloride	258	20.0	250	ND	103	80-120	0.00776	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Coleman Oil & Gas
P.O. Box 3337
Farmington NM, 87499

Project Name: Hodges #015
Project Number: 05206-0001
Project Manager: Vanessa Fields

Reported:
12/03/20 12:40

M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Coleman Oil & Gas	Date Received: 12/02/20 10:43	Work Order ID: E012003
Phone: 505-327-0356	Date Logged In: 12/02/20 10:55	Logged In By: Alexa Michaels
Email: vanessa@walsheng.net	Due Date: 12/02/20 17:00 (0 day TAT)	

Chain of Custody (COC)

- | | |
|---|-----|
| 1. Does the sample ID match the COC? | Yes |
| 2. Does the number of samples per sampling site location match the COC | Yes |
| 3. Were samples dropped off by client or carrier? | Yes |
| 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? | Yes |
| 5. Were all samples received within holding time? | Yes |
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Vanessa Fields

Comments/Resolution

Sample Turn Around Time (TAT)

- | | |
|---|-----|
| 6. Did the COC indicate standard TAT, or Expedited TAT? | Yes |
|---|-----|

Sample Cooler

- | | |
|--|-----|
| 7. Was a sample cooler received? | Yes |
| 8. If yes, was cooler received in good condition? | Yes |
| 9. Was the sample(s) received intact, i.e., not broken? | Yes |
| 10. Were custody/security seals present? | No |
| 11. If yes, were custody/security seals intact? | NA |
| 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C | Yes |
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- | | |
|--|-----|
| 14. Are aqueous VOC samples present? | No |
| 15. Are VOC samples collected in VOA Vials? | NA |
| 16. Is the head space less than 6-8 mm (pea sized or less)? | NA |
| 17. Was a trip blank (TB) included for VOC analyses? | NA |
| 18. Are non-VOC samples collected in the correct containers? | Yes |
| 19. Is the appropriate volume/weight or number of sample containers collected? | Yes |

Field Label

- | | |
|---|-----|
| 20. Were field sample labels filled out with the minimum information: | |
| Sample ID? | Yes |
| Date/Time Collected? | Yes |
| Collectors name? | No |

Sample Preservation

- | | |
|---|----|
| 21. Does the COC or field labels indicate the samples were preserved? | No |
| 22. Are sample(s) correctly preserved? | NA |
| 24. Is lab filtration required and/or requested for dissolved metals? | No |

Multiphase Sample Matrix

- | | |
|--|----|
| 26. Does the sample have more than one phase, i.e., multiphase? | No |
| 27. If yes, does the COC specify which phase(s) is to be analyzed? | NA |

Subcontract Laboratory

- | | |
|---|------------------------|
| 28. Are samples required to get sent to a subcontract laboratory? | No |
| 29. Was a subcontract laboratory specified by the client and if so who? | NA Subcontract Lab: NA |

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.