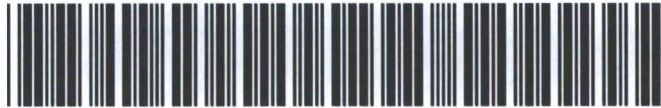




AE Order Number Banner

Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



App Number: pJK1424834298

3RP - 1014

Williams Four Corners, LLC

8/31/2017

3R-1014

**Release Report/ General
Correspondence**

Williams RA

Date: Apr-Jun 2017

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 August 8, 2011

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	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive	Telephone No.	505-632-4708
Facility Name	Five Points Compressor Station	Facility Type	Compressor Station
Surface Owner	Jicarilla Apache Tribe	Mineral Owner	
		API No.	APR 26 2017

OIL CONS. DIV DIST. 3

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	8	25N	5W					Rio Arriba

Latitude 36.42094° N Longitude -107.3851° W

NATURE OF RELEASE

Type of Release	Natural Gas	Volume of Release	Estimated at 516 MCF	Volume Recovered	0 MCF
Source of Release	Manual dump valve	Date and Hour of Occurrence	4/6/2017, 3:42 PM MST	Date and Hour of Discovery	4/6/2017, 3:42 PM MST
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith via Telephone			
By Whom?	Mitch Morris	Date and Hour 4/6/2017 ~4:30 pm			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Not Applicable			

If a Watercourse was Impacted, Describe Fully.*

Not Applicable

Describe Cause of Problem and Remedial Action Taken.*

A contract compression company mistakenly left a manual dump valve open, allowing natural gas to vent from the fuel gas system on a compressor skid. The valve was closed, stopping the release.

Describe Area Affected and Cleanup Action Taken.*

No cleanup is required with a natural gas release.

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.

OIL CONSERVATION DIVISION

Mitch Morris
Signature:

Approved by Environmental Specialist:

Printed Name: Mitch Morris

Title: Environmental Specialist

Approval Date: 4/28/2017 Expiration Date:

E-mail Address: Mitch.Morris@williams.com

Conditions of Approval:

Attached ☐

Date: 4/21/2017

Phone: 505-632-4708

Inc #
NMF 1711850300

* Attach Additional Sheets If Necessary

4

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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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 August 8, 2011

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	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive, Bloomfield, NM 87413	Telephone No.	505-632-4708
Facility Name	Ojito Compressor Station	Facility Type	Compressor Station

Surface Owner	Jicarilla Apache Nation	Mineral Owner		API No.	
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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
D	7	26N	3W					Rio Arriba

Latitude 36.50697° N Longitude -107.19263° W

NATURE OF RELEASE


Type of Release	Small Fire	Volume of Release	N/A	Volume Recovered	N/A
Source of Release	Flammable Liquids (lube oil)	Date and Hour of Occurrence	4/11/2017, 10:30 AM	Date and Hour of Discovery	4/11/2017, 10:30 AM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Cory Smith, NMOCD via telephone call		
By Whom?	Mitch Morris	Date and Hour	4/11/17 1:55 PM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	N/A		

If a Watercourse was Impacted, Describe Fully.*
Not Applicable

Describe Cause of Problem and Remedial Action Taken.*
Sorbent pads saturated with lube oil resting next to a heat source on a compressor skid ignited. The fire was contained to a small area inside the compressor building and was immediately extinguished with a handheld fire extinguisher. Equipment sustained minimal damage and was able to be returned to service the following day (4/12/2017).

Describe Area Affected and Cleanup Action Taken.*
The area affected was inside a building. Equipment sustained minimal damage and was able to be returned to service the following day (4/12/2017).

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: Mitch Morris		Approved by Environmental Specialist: 	
Title: Environmental Specialist		Approval Date: 7/25/17	Expiration Date:
E-mail Address: Mitch.Morris@williams.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/26/2017	Phone: 505-632-4708		

* Attach Additional Sheets If Necessary

#NCS 17206 52064

3R 1014

①

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

AUG 03 2017

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

Form C-141
Revised April 3, 2017

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive, Bloomfield, NM 87413	Telephone No.	505-632-4708
Facility Name	Ojito Compressor Station	Facility Type	Compressor Station

Surface Owner	Jicarilla Apache Nation	Mineral Owner		API No.	
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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
D	7	26N	3W					Rio Arriba

Latitude 36.50697° N Longitude -107.19263° W NAD83

NATURE OF RELEASE

Type of Release: Fire	Volume of Release 43.29 MCF	Volume Recovered 0 MCF
Source of Release: Natural gas from compressor unit/vent system	Date and Hour of Occurrence 7/18/2017 12:20 PM	Date and Hour of Discovery 7/18/2017 12:20 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Charlie Perrin via telephone call Jicarilla OGA: Deidra Vicenti, Jason Sandoval, Waymore Callado via telephone call	
By Whom? Mitch Morris	Date and Hour: 7/18/2017 1:33 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
Not Applicable

Describe Cause of Problem and Remedial Action Taken.*

A fire occurred at the Ojito compressor station when natural gas unexpectedly vented into the compressor building and found an ignition source. Personnel evacuated the station and no injuries were reported. Jicarilla Apache Nation emergency responders provided aid and support and the Incident Command System was established. The station was isolated from the gathering system on July 19, 2017 and is currently not operating. Williams has assigned an investigation team to determine the cause(s) of the incident.

Describe Area Affected and Cleanup Action Taken.*

The area affected by the fire was contained within the station compressor building. No cleanup actions are required as the fire was associated with a natural gas release and no other materials were released during the incident.

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.

OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Mitch Morris		
Title: Environmental Specialist	Approval Date: 8/17/2017	Expiration Date:
E-mail Address: Mitch.Morris@Williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/27/2017 Phone: (505) 632-4708		

* Attach Additional Sheets If Necessary

NVF1722934356

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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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 August 8, 2011

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	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive	Telephone No.	505-632-4708
Facility Name	San Juan 27-5 No. 145 Drip Riser	Facility Type	Pipeline
Surface Owner	BLM	Mineral Owner	
		API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	27N	5W					Rio Arriba

Latitude 36.5400° N Longitude -107.3366° W

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	15 cu. yards of impacted soil	Volume Recovered	15 cu. yards of impacted soil
Source of Release		Date and Hour of Occurrence	5/02/2017, 2:00 PM MST	Date and Hour of Discovery	5/02/2017, 2:00 PM MST
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A			
By Whom?	N/A	Date and Hour N/A			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse Not Applicable			

OIL CONS. DIV DIST. 3

MAY 26 2017

If a Watercourse was Impacted, Describe Fully.*
Not Applicable

Describe Cause of Problem and Remedial Action Taken.*
A 2" valve on the 27-5 No. 145 gathering pipeline was found damaged and leaking produced water. The pipeline was de-pressurized and isolated so that the valve could be repaired. Estimated release volume at the time of discovery was 2 gallons, but approximately 15 cubic yards of impacted soil were removed from the site.

Describe Area Affected and Cleanup Action Taken.*
The leaking valve was replaced and a crew was mobilized to clean up the impacted soil. Approximately 15 cubic yards of impacted soil were removed from the site. Confirmation soil sample results are attached to this report. Cleanup was completed on May 12, 2017.

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.

OIL CONSERVATION DIVISION

Mitch Morris Signature:	Approved by Environmental Specialist:
Printed Name: Mitch Morris	
Title: Environmental Specialist	Approval Date: 6/26/2017 Expiration Date:
E-mail Address: Mitch.Morris@williams.com	Conditions of Approval:
Date: 5/23/2017 Phone: 505-632-4708	Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

NF 1717732490

10



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 16, 2017

Mitch Morris
Williams Field Services
188 Co. Rd 4900
Bloomfield, NM 87413
TEL:
FAX

RE: SJ 27-5 #145 Valve Leak

OrderNo.: 1705705

Dear Mitch Morris:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/13/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1705705

Date Reported: 5/16/2017

CLIENT: Williams Field Services

Client Sample ID: SJ-27-5 #145 Sidewall

Project: SJ 27-5 #145 Valve Leak

Collection Date: 5/12/2017 12:10:00 PM

Lab ID: 1705705-001

Matrix: MEOH (SOIL)

Received Date: 5/13/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/15/2017 10:31:33 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/15/2017 10:31:33 AM
Surr: DNOP	89.5	70-130		%Rec	1	5/15/2017 10:31:33 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	5/15/2017 9:44:19 AM
Surr: BFB	90.8	54-150		%Rec	1	5/15/2017 9:44:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	5/15/2017 9:44:19 AM
Toluene	ND	0.034		mg/Kg	1	5/15/2017 9:44:19 AM
Ethylbenzene	ND	0.034		mg/Kg	1	5/15/2017 9:44:19 AM
Xylenes, Total	ND	0.069		mg/Kg	1	5/15/2017 9:44:19 AM
Surr: 4-Bromofluorobenzene	104	66.6-132		%Rec	1	5/15/2017 9:44:19 AM
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/15/2017 10:55:43 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1705705

Date Reported: 5/16/2017

CLIENT: Williams Field Services

Client Sample ID: SJ-27-5 #145 Bottom

Project: SJ 27-5 #145 Valve Leak

Collection Date: 5/12/2017 12:15:00 PM

Lab ID: 1705705-002

Matrix: MEOH (SOIL)

Received Date: 5/13/2017 10:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/15/2017 10:59:41 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/15/2017 10:59:41 AM
Surr: DNOP	88.7	70-130		%Rec	1	5/15/2017 10:59:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	20	3.9		mg/Kg	1	5/15/2017 10:08:15 AM
Surr: BFB	170	54-150	S	%Rec	1	5/15/2017 10:08:15 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	5/15/2017 10:08:15 AM
Toluene	ND	0.039		mg/Kg	1	5/15/2017 10:08:15 AM
Ethylbenzene	ND	0.039		mg/Kg	1	5/15/2017 10:08:15 AM
Xylenes, Total	0.40	0.078		mg/Kg	1	5/15/2017 10:08:15 AM
Surr: 4-Bromofluorobenzene	113	66.6-132		%Rec	1	5/15/2017 10:08:15 AM
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/15/2017 11:08:08 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 2 of 6
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705705

16-May-17

Client: Williams Field Services
Project: SJ 27-5 #145 Valve Leak

Sample ID	MB-31730	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	31730	RunNo:	42779					
Prep Date:	5/15/2017	Analysis Date:	5/15/2017	SeqNo:	1346357	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-31730	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	31730	RunNo:	42779					
Prep Date:	5/15/2017	Analysis Date:	5/15/2017	SeqNo:	1346358	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.4	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705705

16-May-17

Client: Williams Field Services
Project: SJ 27-5 #145 Valve Leak

Sample ID	LCS-31727	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	31727	RunNo:	42773					
Prep Date:	5/15/2017	Analysis Date:	5/15/2017	SeqNo:	1345646	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.5	63.8	116			
Surr: DNOP	4.6		5.000		91.8	70	130			

Sample ID	MB-31727	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	31727	RunNo:	42773					
Prep Date:	5/15/2017	Analysis Date:	5/15/2017	SeqNo:	1345647	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.3	70	130			

Sample ID	1705705-001AMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SJ-27-5 #145 Sidew	Batch ID:	31727	RunNo:	42773					
Prep Date:	5/15/2017	Analysis Date:	5/15/2017	SeqNo:	1345730	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.8	48.97	0	96.7	55.8	122			
Surr: DNOP	4.7		4.897		96.6	70	130			

Sample ID	1705705-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SJ-27-5 #145 Sidew	Batch ID:	31727	RunNo:	42773					
Prep Date:	5/15/2017	Analysis Date:	5/15/2017	SeqNo:	1345731	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.1	45.70	0	93.5	55.8	122	10.3	20	
Surr: DNOP	4.2		4.570		91.8	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705705

16-May-17

Client: Williams Field Services
Project: SJ 27-5 #145 Valve Leak

Sample ID	MB-31708	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	31708	RunNo:	42782					
Prep Date:	5/12/2017	Analysis Date:	5/15/2017	SeqNo:	1346037	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.1	54	150			

Sample ID	LCS-31708	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	31708	RunNo:	42782					
Prep Date:	5/12/2017	Analysis Date:	5/15/2017	SeqNo:	1346038	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	76.4	125			
Surr: BFB	1000		1000		101	54	150			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705705

16-May-17

Client: Williams Field Services

Project: SJ 27-5 #145 Valve Leak

Sample ID	MB-31708	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID: 31708			RunNo: 42782					
Prep Date:	5/12/2017	Analysis Date: 5/15/2017			SeqNo: 1346051		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		110	66.6	132			

Sample ID	LCS-31708		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 31708		RunNo: 42782					
Prep Date:	5/12/2017		Analysis Date: 5/15/2017		SeqNo: 1346052		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.8	80	120			
Toluene	0.99	0.050	1.000	0	98.7	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	66.6	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1705705

RcptNo: 1

Received By: Andy Freeman

5/13/2017 10:30:00 AM

Completed By: Andy Jansson

5/15/2017 8:10:35 AM

Reviewed By: spe/ats

5/15/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted? _____
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐ Checked by: _____

Special Handling (If applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes			

$\text{scn} \subset dG^*$

☐ Standard ☒ Rush 5-15-2017

ST 27-5 #195 Valve Leak

Project #:

Project Manager:

mitch morris

Sampler: *Morgan Kill: or*


On Ice: ☒ Yes ☐ No

Sample Temperature: 3.1°C

--	--	--	--

Analysis Request																	
	X	/	BTEX + MTBE + THMs's (8021)														
			BTEX + MTBE + TPH (Gas only)														
	X	/	TPH 8015B (GRO / DRO / MRO)														
			TPH (Method 418.1)														
			EDB (Method 504.1)														
			PAH's (8310 or 8270 SIMS)														
			RCRA 8 Metals														
			Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)														
			8081 Pesticides / 8082 PCB's														
			8260B (VOA)														
			8270 (Semi-VOA)														
	/	X	Cd/Pb/Cr														

Received by: Howalt Date: 5/12/17 Time: 1515

Received by:	Date	Time
	5/13/17	1030

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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 August 8, 2011

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: Williams Four Corners LLC	Contact: Kijun Hong	
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475	
Facility Name: Carson 6	Facility Type: Pipeline	
Surface Owner: Forest Service	Mineral Owner	BLM Project No.

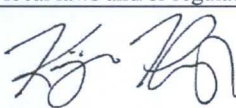

LOCATION OF RELEASE

Unit Letter M	Section 29	Township 30N	Range 4W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
-------------------------	----------------------	------------------------	--------------------	---------------	------------------	---------------	----------------	-----------------------------

Latitude **36.7756** Longitude **-107.2846**

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 9.2 MCF	Volume Recovered: 0 MCF
Source of Release: Pipeline	Date and Hour of Occurrence: 04/11/2017 at 9:30 AM	Date and Hour of Discovery: 04/19/17 at 9:30 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NA	
By Whom? NA	Date and Hour: NA OIL CONS. DIV DIST. 3	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA MAY 05 2017	
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.* Natural gas release from a pin hole leak in the pipeline. The section was immediately isolated and shut-in upon discovery.		
Describe Area Affected and Cleanup Action Taken.* Initial report only assumed gas loss as there was no surface evidence of liquids impact. Once excavation began, soil impacts were discovered. Final haul amount of impacted soil was 50 yards on 4/21/2017.		
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: Kijun Hong	Approved by Environmental Specialist: 	
Title: Environmental Specialist	Approval Date: 5/11/17	Expiration Date:
E-mail Address: kijun.hong@williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 05/02/2017 Phone: (505) 632-4475		

* Attach Additional Sheets If Necessary **#NCS1713153929**

14



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 28, 2017

Kijun Hong

Williams Field Services
1755 Arroyo Dr.,
Bloomfield, NM 87413
TEL: (505) 632-4442
FAX

RE: Carson 6 Line Leak

OrderNo.: 1704A82

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/25/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1704A82

Date Reported: 4/28/2017

CLIENT: Williams Field Services

Client Sample ID: Carson 6-W

Project: Carson 6 Line Leak

Collection Date: 4/21/2017 12:30:00 PM

Lab ID: 1704A82-001

Matrix: SOIL

Received Date: 4/25/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	70	30		mg/Kg	20	4/26/2017 3:38:12 PM	31441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	260	9.5		mg/Kg	1	4/27/2017 8:37:18 PM	31429
Motor Oil Range Organics (MRO)	130	48		mg/Kg	1	4/27/2017 8:37:18 PM	31429
Surr: DNOP	92.9	70-130		%Rec	1	4/27/2017 8:37:18 PM	31429
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/27/2017 5:13:41 PM	31417
Surr: BFB	104	54-150		%Rec	1	4/27/2017 5:13:41 PM	31417
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/27/2017 5:13:41 PM	31417
Toluene	ND	0.047		mg/Kg	1	4/27/2017 5:13:41 PM	31417
Ethylbenzene	ND	0.047		mg/Kg	1	4/27/2017 5:13:41 PM	31417
Xylenes, Total	ND	0.095		mg/Kg	1	4/27/2017 5:13:41 PM	31417
Surr: 4-Bromofluorobenzene	103	66.6-132		%Rec	1	4/27/2017 5:13:41 PM	31417

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1704A82

Date Reported: 4/28/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Carson 6-B

Project: Carson 6 Line Leak

Collection Date: 4/21/2017 12:40:00 PM

Lab ID: 1704A82-002

Matrix: SOIL

Received Date: 4/25/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	91	30		mg/Kg	20	4/26/2017 3:50:37 PM	31441
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	18	9.6		mg/Kg	1	4/27/2017 9:05:06 PM	31429
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2017 9:05:06 PM	31429
Surr: DNOP	85.6	70-130		%Rec	1	4/27/2017 9:05:06 PM	31429
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/26/2017 10:12:07 PM	31417
Surr: BFB	93.1	54-150		%Rec	1	4/26/2017 10:12:07 PM	31417
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/26/2017 10:12:07 PM	31417
Toluene	ND	0.047		mg/Kg	1	4/26/2017 10:12:07 PM	31417
Ethylbenzene	ND	0.047		mg/Kg	1	4/26/2017 10:12:07 PM	31417
Xylenes, Total	ND	0.093		mg/Kg	1	4/26/2017 10:12:07 PM	31417
Surr: 4-Bromofluorobenzene	102	66.6-132		%Rec	1	4/26/2017 10:12:07 PM	31417

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704A82

28-Apr-17

Client: Williams Field Services

Project: Carson 6 Line Leak

Sample ID	MB-31441	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	31441	RunNo:	42386					
Prep Date:	4/26/2017	Analysis Date:	4/26/2017	SeqNo:	1333287	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-31441	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	31441	RunNo:	42386					
Prep Date:	4/26/2017	Analysis Date:	4/26/2017	SeqNo:	1333288	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.7	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704A82

28-Apr-17

Client: Williams Field Services

Project: Carson 6 Line Leak

Sample ID	LCS-31429		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 31429		RunNo: 42400					
Prep Date:	4/26/2017		Analysis Date: 4/27/2017		SeqNo: 1333922		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.2	63.8	116			
Surr: DNOP	4.4		5.000		88.3	70	130			

Sample ID	MB-31429	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 31429			RunNo: 42400					
Prep Date:	4/26/2017	Analysis Date: 4/27/2017			SeqNo: 1333923		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704A82

28-Apr-17

Client: Williams Field Services

Project: Carson 6 Line Leak

Sample ID	MB-31417	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	31417	RunNo:	42378					
Prep Date:	4/25/2017	Analysis Date:	4/26/2017	SeqNo:	1332745	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.0	54	150			

Sample ID	LCS-31417	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	31417	RunNo:	42378					
Prep Date:	4/25/2017	Analysis Date:	4/26/2017	SeqNo:	1332746	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.2	76.4	125			
Surr: BFB	1000		1000		100	54	150			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1704A82

28-Apr-17

Client: Williams Field Services

Project: Carson 6 Line Leak

Sample ID	MB-31417	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	31417	RunNo:	42378					
Prep Date:	4/25/2017	Analysis Date:	4/26/2017	SeqNo:	1332767	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	66.6	132			

Sample ID	LCS-31417	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	31417	RunNo:	42378					
Prep Date:	4/25/2017	Analysis Date:	4/26/2017	SeqNo:	1332768	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.7	80	120			
Toluene	0.92	0.050	1.000	0	92.3	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	66.6	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1704A82

RcptNo: 1

Received By: Lindsay Mangin 4/25/2017 7:15:00 AM

Completed By: Lindsay Mangin 4/25/2017 7:47:52 AM

Reviewed By: *SPC* 04/25/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	Date:
By Whom:	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	
Client Instructions:	

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	2.1	Good	Yes			

<h1>Chain-of-Custody Record</h1>		Turn-Around Time:	
Client: <u>Williams Field Services</u>		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Mailing Address: <u>1755 Arroya Drive</u> <u>Bloomfield New Mexico 87413</u>		Project Name: <u>Carson 6</u> <u>Line Leak</u>	
Phone #: <u>505-632-4475</u>		Project #: <u>UW017141640</u>	
email or Fax#: <u>Kijun.hong@williams.com</u>		Project Manager:	
QA/QC Package: <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		Sampler: <u>Mike Stuhle</u>	
Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other _____		<input checked="" type="checkbox"/> On Ice <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type) _____		Sample Temperature: <u>21</u>	


Sample Temperature: 71



Tel. 505-345-3975 Fax 505-345-4107

	-	BTEX + MTBE + TMB's (8021)
		BTEX + MTBE + TPH (Gas only)
	-	TPH 8015B (GRO / DRO / MRO)
		TPH (Method 418.1)
		EDB (Method 504.1)
		PAH's (8310 or 8270 SIMS)
		RCRA 8 Metals
		Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)
		8081 Pesticides / 8082 PCB's
		8260B (VOA)
		8270 (Semi-VOA)
	+ +	chloride
		Air Bubbles (Y or N)

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/24/17	815	Mike Stahl	Christa Wette	4/24/17	815
Date:	Time:	Relinquished by:	Received by:	Date	Time
4/24/17	1833	Christina Wette		04/25/17	0741

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Ranking Score Determination

Site Name: **Carson 6 Pipeline**

Legal (Unit, Sec, Twn, Rng): **Unit M, Section 29, T 30N, R 4W**

GPS Coordinates: **36.7756, -107.2846**

Ranking Score based on NMOCD [Guidelines for Remediation of Leaks, Spills, and Releases](#) dated August 13, 1993.

Depth to Ground - The operator should determine the depth to ground water at each site. The depth to ground water is defined as the vertical distance from the lowermost contaminants to the seasonal high water elevation of the ground water. If the exact depth to ground water is unknown, the ground water depth can be estimated using either local water well information, published regional ground water information, data on file with the New Mexico State Engineer Office or the vertical distance from adjacent ground water or surface water.

Notes: **The nearest well with depth to ground water data is at 7235ft elevation with a ground water depth of 210ft. Given that the release location is at 7420ft, the depth to ground water at the release location is greater than 100ft.**

Depth to Groundwater	<50 feet	50 – 99 feet	>100 feet
Ranking Score (circle one)	20	10	0

Wellhead Protection Area - The operator should determine the horizontal distance from all water sources including private and domestic water sources. Water sources are defined as wells, springs or other sources of fresh water extraction. Private and domestic water sources are those water sources used by less than five households for domestic or stock purposes.

Notes: **The release location is <1000ft from a water source and <200ft from a private domestic water source.**

Wellhead Protection Area	<1000 from a water source; or <200 feet from a private domestic water source		
Ranking Score (circle one)	Yes → 20	No → 0	

Distance To Nearest Surface Water Body - The operator should determine the horizontal distance to all downgradient surface water bodies. Surface water bodies are defined as perennial rivers, streams, creeks, irrigation canals and ditches, lakes, ponds and playas.

Notes: **The nearest surface water is an intermittent stream located 1,044ft to the northeast of the release location.**

Distance to Surface Water Body	<200 horizontal feet	200 – 1,000 horizontal feet	>1,000 horizontal feet
Ranking Score (circle one)	20	10	0

Remediation Action Levels

Ranking Score (Circle One)	>19	10 - 19	0 - 9
Benzene	10 mg/kg		
BTEX (total)	50 mg/kg		
TPH (GRO and DRO)	100 mg/kg	1,000 mg/kg	5,000 mg/kg

Ranking Completed by: **Kijun Hong**

Signature: 

Date: **May 1, 2017**

Sources:

[GPS Conversion Tool](#)

[New Mexico Water Rights Reporting System](#) – Water Column/Average Depth to Water Report

[New Mexico Oil and Gas Map](#)



New Mexico Office of the State Engineer

Water Column/Average Depth to Water











(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

		POD																
		Sub-	Q	Q	Q										Water			
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water	Column	
SJ 00042			RA			1	28	30N	04W	297901	4073566* 	2126		62				
SJ 00037			RA			2	04	29N	04W	298778	4070389* 	3347		373				
SJ 03742 POD1			RA	4	4	3	26	30N	04W	301401	4072375* 	5288		480		210	270	
SJ 02384			RA	3	1	3	07	30N	04W	294736	4077762* 	5521		185		95	90	
SJ 04039 POD1			SJ	2	3	2	14	30N	05W	292702	4076834 	5582		275				
SJ 03900 POD1			RA	4	4	4	26	30N	04W	302124	4072384 	6011		380		200	180	
SJ 01291			RA			4	1	25	30N	04W	302930	4073243* 	6867		500		250	250
SJ 00049			RA			3	33	31N	04W	298080	4080910* 	8719		112		80	32	
SJ 03593	O		RA	4	2	4	21	29N	05W	289638	4065294 	9624		455		300	155	
SJ 03593 POD1			RA	4	2	4	21	29N	05E	289638	4065294 	9624		455		300	155	

Average Depth to Water: **205 feet**

Minimum Depth: **80 feet**

Maximum Depth: **300 feet**

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 296113

Northing (Y): 4072414.98

Radius: 10000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/1/17 9:16 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number

SJ 03742 POD1

Q64 Q16 Q4 Sec Tws Rng

4 4 3 26 30N 04W

X

Y

301401 4072375* 

x

Driller License: 1508 **Driller Company:** HARGIS CONSULTING WATER WELL

Driller Name: HARGIS, WILLIAM CALVIN

Drill Start Date: 08/01/2006

Drill Finish Date: 12/31/2006

Plug Date:

Log File Date: 02/27/2007

PCW Rev Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 13 GPM

Casing Size: 7.00

Depth Well: 480 feet

Depth Water: 210 feet

x

Water Bearing Stratifications:

Top Bottom Description

280 285 Sandstone/Gravel/Conglomerate

310 313 Sandstone/Gravel/Conglomerate

360 361 Sandstone/Gravel/Conglomerate

x

Casing Perforations:

Top Bottom

200 380

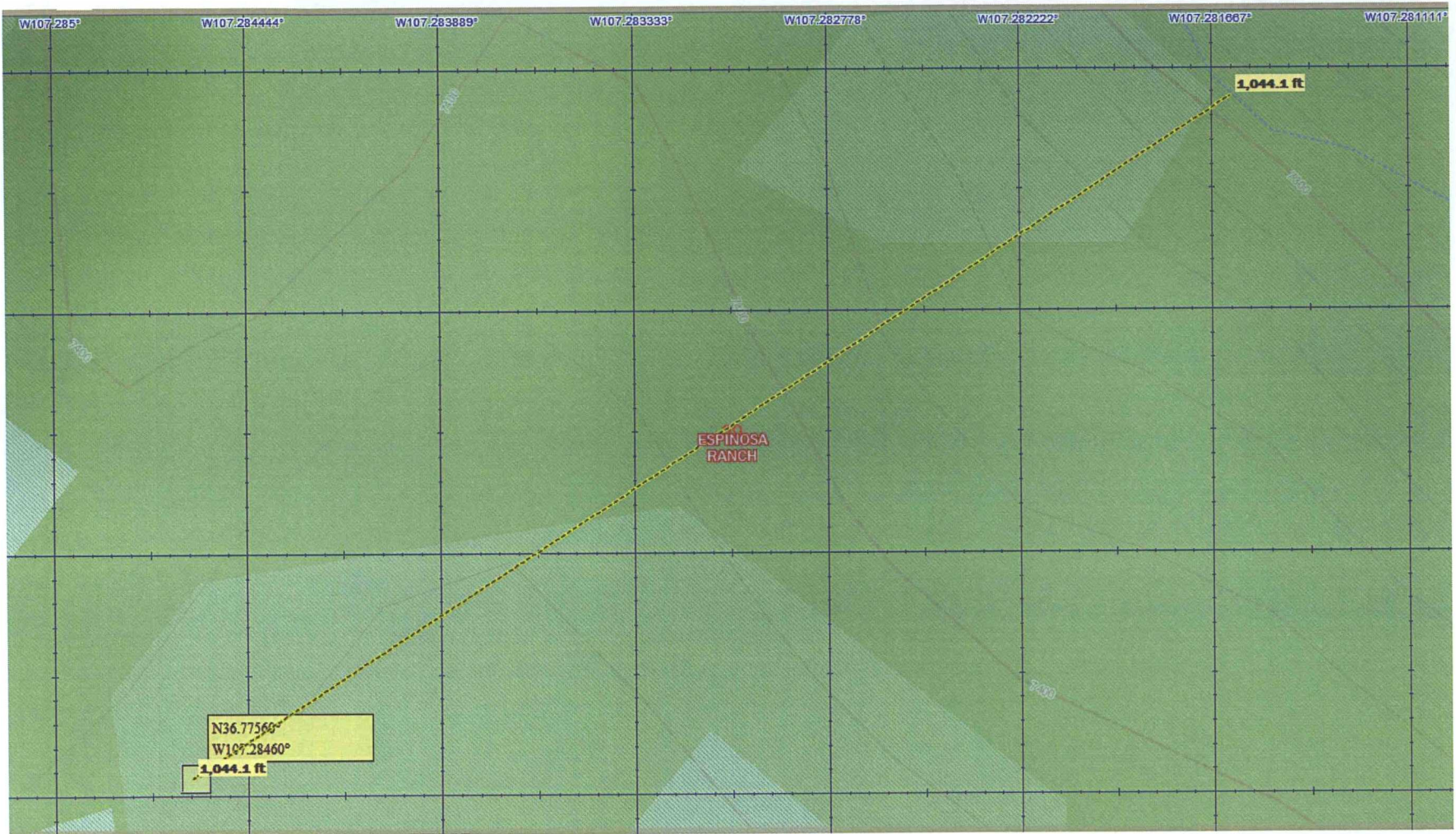
x

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/1/17 9:19 AM

POINT OF DIVERSION SUMMARY



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 August 8, 2011

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	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive	Telephone No.	505-632-4708
Facility Name	Breach E-564 Pipeline	Facility Type	Pipeline
Surface Owner	BLM	Mineral Owner	
		API No.	

LOCATION OF RELEASE

Unit Letter	Section 1	Township 26N	Range 6W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
-------------	--------------	-----------------	-------------	---------------	------------------	---------------	----------------	----------------------

Latitude 36.5210° N Longitude -107.4125° W

NATURE OF RELEASE

Type of Release	Natural Gas	Volume of Release	Estimated cleanup volume of 40 cubic yards	Volume Recovered	estimated cleanup volume of 40 cubic yards
Source of Release	Manual dump valve	Date and Hour of Occurrence	5/16/2017, 3:00 PM MST	Date and Hour of Discovery	5/16/2017, 3:00 PM MST
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?	Mitch Morris	Date and Hour 4/6/2017 ~4:30 pm			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Not Applicable			
If a Watercourse was Impacted, Describe Fully.* Not Applicable					
Describe Cause of Problem and Remedial Action Taken.* Cleanup of a line leak that was initially not reportable. A C-138 was submitted to the landfarm with an estimated 40 cubic yards of impacted soil.					
Describe Area Affected and Cleanup Action Taken.* Cleanup was completed and confirmation soil samples were obtained.					

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.

OIL CONSERVATION DIVISION

Mitch Morris
Signature:

Approved by Environmental Specialist:

Printed Name: Mitch Morris

Title: Environmental Specialist

Approval Date: 6/12/17 Expiration Date:

E-mail Address: Mitch.Morris@williams.com

Conditions of Approval:

Attached ☐

Date: 5/30/2017

Phone: 505-632-4708

* Attach Additional Sheets If Necessary

NVF1716342197



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 19, 2017

Mitch Morris
Williams Field Services
188 Co. Rd 4900
Bloomfield, NM 87413
TEL:
FAX

RE: Breech E-564 Line Leak

OrderNo.: 1705859

Dear Mitch Morris:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/17/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue rectangular background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1705859

Date Reported: 5/19/2017

CLIENT: Williams Field Services

Client Sample ID: Breech E-564 N&W Walls

Project: Breech E-564 Line Leak

Collection Date: 5/16/2017 10:00:00 AM

Lab ID: 1705859-001

Matrix: SOIL

Received Date: 5/17/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	26	9.3		mg/Kg	1	5/17/2017 10:06:58 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/17/2017 10:06:58 AM
Surr: DNOP	76.6	70-130		%Rec	1	5/17/2017 10:06:58 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1200	75		mg/Kg	50	5/17/2017 12:27:56 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.11		mg/Kg	5	5/17/2017 10:32:57 AM
Toluene	ND	0.23		mg/Kg	5	5/17/2017 10:32:57 AM
Ethylbenzene	ND	0.23		mg/Kg	5	5/17/2017 10:32:57 AM
Xylenes, Total	ND	0.45		mg/Kg	5	5/17/2017 10:32:57 AM
Surr: 1,2-Dichloroethane-d4	110	70-130		%Rec	5	5/17/2017 10:32:57 AM
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	5	5/17/2017 10:32:57 AM
Surr: Dibromofluoromethane	105	70-130		%Rec	5	5/17/2017 10:32:57 AM
Surr: Toluene-d8	102	70-130		%Rec	5	5/17/2017 10:32:57 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: AG
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	5/17/2017 10:32:57 AM
Surr: BFB	93.1	70-130		%Rec	5	5/17/2017 10:32:57 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1705859

Date Reported: 5/19/2017

CLIENT: Williams Field Services

Client Sample ID: Breech E-564 S&E Walls

Project: Breech E-564 Line Leak

Collection Date: 5/16/2017 10:05:00 AM

Lab ID: 1705859-002

Matrix: SOIL

Received Date: 5/17/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	14	9.6		mg/Kg	1	5/17/2017 10:31:24 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/17/2017 10:31:24 AM
Surr: DNOP	78.8	70-130		%Rec	1	5/17/2017 10:31:24 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1200	30		mg/Kg	20	5/17/2017 10:48:39 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.098		mg/Kg	5	5/17/2017 11:02:24 AM
Toluene	ND	0.20		mg/Kg	5	5/17/2017 11:02:24 AM
Ethylbenzene	ND	0.20		mg/Kg	5	5/17/2017 11:02:24 AM
Xylenes, Total	ND	0.39		mg/Kg	5	5/17/2017 11:02:24 AM
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	5	5/17/2017 11:02:24 AM
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	5	5/17/2017 11:02:24 AM
Surr: Dibromofluoromethane	103	70-130		%Rec	5	5/17/2017 11:02:24 AM
Surr: Toluene-d8	102	70-130		%Rec	5	5/17/2017 11:02:24 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: AG
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	5/17/2017 11:02:24 AM
Surr: BFB	94.0	70-130		%Rec	5	5/17/2017 11:02:24 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank	Page 2 of 8
	D Sample Diluted Due to Matrix	E Value above quantitation range	
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits	
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range	
	R RPD outside accepted recovery limits	RL Reporting Detection Limit	
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1705859

Date Reported: 5/19/2017

CLIENT: Williams Field Services

Client Sample ID: Breech E-564 Bottom

Project: Breech E-564 Line Leak

Collection Date: 5/16/2017 10:10:00 AM

Lab ID: 1705859-003

Matrix: SOIL

Received Date: 5/17/2017 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/17/2017 10:58:21 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/17/2017 10:58:21 AM
Surr: DNOP	81.0	70-130		%Rec	1	5/17/2017 10:58:21 AM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	470	30		mg/Kg	20	5/17/2017 11:01:03 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.018		mg/Kg	1	5/17/2017 11:31:26 AM
Toluene	ND	0.037		mg/Kg	1	5/17/2017 11:31:26 AM
Ethylbenzene	ND	0.037		mg/Kg	1	5/17/2017 11:31:26 AM
Xylenes, Total	ND	0.073		mg/Kg	1	5/17/2017 11:31:26 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	5/17/2017 11:31:26 AM
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	5/17/2017 11:31:26 AM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	5/17/2017 11:31:26 AM
Surr: Toluene-d8	117	70-130		%Rec	1	5/17/2017 11:31:26 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: DJF
Gasoline Range Organics (GRO)	8.5	3.7		mg/Kg	1	5/18/2017 4:37:12 PM
Surr: BFB	108	70-130		%Rec	1	5/18/2017 4:37:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705859

19-May-17

Client: Williams Field Services

Project: Breech E-564 Line Leak

Sample ID	MB-31782	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	31782	RunNo:	42861					
Prep Date:	5/17/2017	Analysis Date:	5/17/2017	SeqNo:	1349223	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-31782	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	31782	RunNo:	42861					
Prep Date:	5/17/2017	Analysis Date:	5/17/2017	SeqNo:	1349224	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705859

19-May-17

Client: Williams Field Services

Project: Breech E-564 Line Leak

Sample ID	MB-31779	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	31779	RunNo:	42843					
Prep Date:	5/17/2017	Analysis Date:	5/17/2017	SeqNo:	1347977	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.3		10.00		73.2	70	130			

Sample ID	1705859-001AMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	Breech E-564 N&W	Batch ID:	31779	RunNo:	42845					
Prep Date:	5/17/2017	Analysis Date:	5/17/2017	SeqNo:	1348325	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	71	9.7	48.40	25.83	92.3	55.8	122			
Surr: DNOP	4.1		4.840		84.7	70	130			

Sample ID	1705859-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	Breech E-564 N&W	Batch ID:	31779	RunNo:	42845					
Prep Date:	5/17/2017	Analysis Date:	5/17/2017	SeqNo:	1348326	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	73	9.7	48.40	25.83	98.2	55.8	122	3.96	20	
Surr: DNOP	4.1		4.840		84.3	70	130	0	0	

Sample ID	LCS-31779	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	31779	RunNo:	42848					
Prep Date:	5/17/2017	Analysis Date:	5/17/2017	SeqNo:	1348461	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.8	73.2	114			
Surr: DNOP	4.6		5.000		92.8	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705859

19-May-17

Client: Williams Field Services

Project: Breech E-564 Line Leak

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	A42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348266	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		105	70	130			
Surr: 4-Bromofluorobenzene	0.56		0.5000		111	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		101	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID	1705859-002ams	SampType:	MS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Breech E-564 S&E	Batch ID:	A42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348774	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.4	0.098	3.922	0	111	61.9	146			
Toluene	4.2	0.20	3.922	0	106	70	130			
Surr: 1,2-Dichloroethane-d4	2.1		1.961		106	70	130			
Surr: 4-Bromofluorobenzene	2.1		1.961		109	70	130			
Surr: Dibromofluoromethane	2.0		1.961		102	70	130			
Surr: Toluene-d8	1.9		1.961		97.4	70	130			

Sample ID	1705859-002amsd	SampType:	MSD	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Breech E-564 S&E	Batch ID:	A42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348775	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	4.2	0.098	3.922	0	108	61.9	146	3.05	20	
Toluene	4.1	0.20	3.922	0	104	70	130	2.37	20	
Surr: 1,2-Dichloroethane-d4	2.0		1.961		103	70	130	0	0	
Surr: 4-Bromofluorobenzene	2.2		1.961		112	70	130	0	0	
Surr: Dibromofluoromethane	2.0		1.961		102	70	130	0	0	
Surr: Toluene-d8	1.9		1.961		98.0	70	130	0	0	

Sample ID	100ng lcs	SampType:	LCS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS	Batch ID:	A42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348776	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.3	0.025	1.000	0	125	70	130			
Toluene	1.2	0.050	1.000	0	116	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705859

19-May-17

Client: Williams Field Services

Project: Breech E-564 Line Leak

Sample ID	100ng lcs	SampType:	LCS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS	Batch ID:	A42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348776	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		106	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		107	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		101	70	130			
Surr: Toluene-d8	0.50		0.5000		99.4	70	130			

Sample ID	mb-31781	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	31781	RunNo:	42902					
Prep Date:	5/17/2017	Analysis Date:	5/18/2017	SeqNo:	1349963	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.6	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.48		0.5000		95.2	70	130			

Sample ID	lcs-31781	SampType:	LCS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS	Batch ID:	31781	RunNo:	42902					
Prep Date:	5/17/2017	Analysis Date:	5/18/2017	SeqNo:	1349964	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.3	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.2	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		98.2	70	130			
Surr: Toluene-d8	0.47		0.5000		94.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705859

19-May-17

Client: Williams Field Services

Project: Breech E-564 Line Leak

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	R42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348274	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	480		500.0		96.2	70	130			

Sample ID	1705859-001ams	SampType:	MS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	Breech E-564 N&W	Batch ID:	R42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348777	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	160	23	112.9	20.01	127	63.2	128			
Surr: BFB	2200		2258		96.3	70	130			

Sample ID	1705859-001amsd	SampType:	MSD	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	Breech E-564 N&W	Batch ID:	R42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348778	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	150	23	112.9	20.01	117	63.2	128	7.50	20	
Surr: BFB	2200		2258		96.0	70	130	0	0	

Sample ID	2.5ug gro lcs	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	R42857	RunNo:	42857					
Prep Date:		Analysis Date:	5/17/2017	SeqNo:	1348779	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	119	70	130			
Surr: BFB	490		500.0		98.8	70	130			

Sample ID	rb1	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	GS42902	RunNo:	42902					
Prep Date:		Analysis Date:	5/18/2017	SeqNo:	1349976	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		101	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| R RPD outside accepted recovery limits | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1705859

RcptNo: 1

Received By: Anne Thorne

5/17/2017 7:30:00 AM

Completed By: Anne Thorne

5/17/2017 8:02:39 AM

Reviewed By: ENM

05/17/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Client: WFS

Mailing Address: 188 CR 4900
Bloomfield NM 87413

Phone #: 505-632-4708

email or Fax#: maitch.morris@williams.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Project Name:	Breach E-564 Line Leak
Project #:	

Project Manager:	Mitch Morris
Sampler:	Morgan Killor
On Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sample Temperature:	1.15



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TnMB's (8021)	X	X	X
BTEX + MTBE + TPH (Gas only)			
TPH 8015B (GRO / DRO / MRO)	X	X	X
TPH (Method 418.1)			
EDB (Method 504.1)			
PAH's (8310 or 8270 SIMS)			
RCRA 8 Metals			
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)			
8081 Pesticides / 8082 PCB's			
8260B (VOA)			
8270 (Semi-VOA)			
chlordane	X	X	X
Air Bubbles (Y or N)			

Date: 3/16/17	Time: 1345	Relinquished by: Mary K. Killion	Received by: Charlotte West	Date 3/16/17	Time 1345
Date: 5/16/17	Time: 1857	Relinquished by: Charlotte West	Received by: Chris J. J...	Date 05/17/17	Time 1730

Remarks:	
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If necessary, samples submitted to Hall Environments may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

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 August 8, 2011

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	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive	Telephone No.	505-632-4708
Facility Name	Lateral D-2 Pipeline	Facility Type	Pipeline
Surface Owner	Jicarilla Apache Tribe	Mineral Owner	
		API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	12	26N	5W					Rio Arriba

Latitude 36.5033° N Longitude -107.3034° W

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	estimated 30 yards impacted soil	Volume Recovered	30 yards impacted soil
Source of Release	Pipeline	Date and Hour of Occurrence	5/22/2017, 9:15 AM MST	Date and Hour of Discovery	5/22/2017, 9:15 AM MST
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A			
By Whom?	N/A	Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Not Applicable			
If a Watercourse was Impacted, Describe Fully.* Not Applicable					
Describe Cause of Problem and Remedial Action Taken.* Initial release was not a reportable quantity, but historic impacts were encountered during remediation and 30 yards of impacted soil were taken to an OCD approved landfarm.					
Describe Area Affected and Cleanup Action Taken.* Area affected was adjacent to the pipeline and impacted soil was removed and disposed of at a landfarm.					
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.					
Mitch Morris  Signature:		OIL CONSERVATION DIVISION			
Printed Name: Mitch Morris		Approved by Environmental Specialist: 			
Title: Environmental Specialist		Approval Date: 6/22/2017		Expiration Date:	
E-mail Address: Mitch.Morris@williams.com		Conditions of Approval: Sample Area 8015 8021 include MEO Chlorides		Attached <input type="checkbox"/>	
Date: 6/6/2017 Phone: 505-632-4708					

* Attach Additional Sheets If Necessary

NVF1717335633

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

Form C-141
Revised August 8, 2011

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

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: Williams Four Corners LLC	Contact: Kijun Hong	
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475	
Facility Name: Bancos Compressor Station	Facility Type: Compressor Station	
Surface Owner: State of NM	Mineral Owner	BLM Project No.

LOCATION OF RELEASE

Unit Letter B	Section 36	Township 32N	Range 6W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude **36.942652** Longitude **-107.405361**

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 428 MCF	Volume Recovered: 0 MCF
Source of Release: Pipeline	Date and Hour of Occurrence: 06/28/2017 at 8:30 AM	Date and Hour of Discovery: 06/28/2017 at 8:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith	
By Whom? Kijun Hong	Date and Hour: 6/28/2017 @ 11:15am	OIL CONS. DIV DIST. 3
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	JUL 17 2017
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.* Investigation determined prelude shuttle valve on the start system had an internal mechanical failure causing release of natural gas to atmosphere. Valve was replaced.		
Describe Area Affected and Cleanup Action Taken.* Release was only gas and no liquids. No soil impacts reported.		
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: Kijun Hong	Approved by Environmental Specialist: 	
Title: Environmental Specialist	Approval Date: 7/21/2017	Expiration Date:
E-mail Address: kijun.hong@williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 07/11/2017 Phone: (505) 632-4475		

* Attach Additional Sheets If Necessary

NMF1720238879

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
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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 August 8, 2011

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	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive	Telephone No.	505-632-4708
Facility Name	Jicarilla E-4	Facility Type	Pipeline Tank
Surface Owner	Jicarilla Apache Tribe	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	22	26N	4W					Rio Arriba

Latitude 36.4772° N Longitude -107.2343° W

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	70 cubic yards of impacted soil	Volume Recovered	70 cubic yards of impacted soil
Source of Release	Pipeline Tank	Date and Hour of Occurrence	1/31/2017, 10:00 AM MST	Date and Hour of Discovery	1/31/2017, 10:00 AM MST
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A			
By Whom?	N/A	Date and Hour N/A			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Not Applicable			

OIL CONS. DIV DIST. 3
JUN 29 2017

If a Watercourse was Impacted, Describe Fully.*

Not Applicable

Describe Cause of Problem and Remedial Action Taken.*

Williams was notified by the Jicarilla Oil & Gas Association (JOGA) of soil staining around the Jicarilla E-4 pipeline tank during a recurring meeting. Due to poor weather conditions, Williams was unable to perform remedial activities at this site until late spring. The initial volume was calculated below reporting thresholds, but 70 yards of impacted soil were removed and disposed of at a NMOCD approved landfarm.

Describe Area Affected and Cleanup Action Taken.*

A cleanup crew was mobilized to the site for remediation. Confirmation soil sample results are attached to this report.

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.

OIL CONSERVATION DIVISION

Mitch Morris
Signature:

Approved by Environmental Specialist:

Printed Name: Mitch Morris

Title: Environmental Specialist

Approval Date:

7/11/17

Expiration Date:

E-mail Address: Mitch.Morris@williams.com

Conditions of Approval:

Attached ☐

Date: 6/26/2017

Phone: 505-632-4708

* Attach Additional Sheets If Necessary

#NCS 1719256342

3RP-1014

10



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 16, 2017

Mitch Morris

Williams Field Services

188 Co. Rd 4900

Bloomfield, NM 87413

TEL:

FAX

RE: Jicarilla E-4

OrderNo.: 1706833

Dear Mitch Morris:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/15/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue rectangular background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1706833

Date Reported: 6/16/2017

CLIENT: Williams Field Services

Client Sample ID: Jic E-4 Sidewall Composite

Project: Jicarilla E-4

Collection Date: 6/14/2017 12:35:00 PM

Lab ID: 1706833-001

Matrix: SOIL

Received Date: 6/15/2017 9:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/15/2017 12:10:47 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/15/2017 12:10:47 PM
Surr: DNOP	91.0	70-130		%Rec	1	6/15/2017 12:10:47 PM
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	43	30		mg/Kg	20	6/15/2017 12:16:50 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.024		mg/Kg	1	6/15/2017 1:04:11 PM
Toluene	ND	0.047		mg/Kg	1	6/15/2017 1:04:11 PM
Ethylbenzene	ND	0.047		mg/Kg	1	6/15/2017 1:04:11 PM
Xylenes, Total	ND	0.095		mg/Kg	1	6/15/2017 1:04:11 PM
Surr: 1,2-Dichloroethane-d4	113	70-130		%Rec	1	6/15/2017 1:04:11 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/15/2017 1:04:11 PM
Surr: Dibromofluoromethane	117	70-130		%Rec	1	6/15/2017 1:04:11 PM
Surr: Toluene-d8	115	70-130		%Rec	1	6/15/2017 1:04:11 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: AG
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/15/2017 1:04:11 PM
Surr: BFB	91.6	70-130		%Rec	1	6/15/2017 1:04:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1706833

Date Reported: 6/16/2017

CLIENT: Williams Field Services

Client Sample ID: Jic E-4 Bottom

Project: Jicarilla E-4

Collection Date: 6/14/2017 12:40:00 PM

Lab ID: 1706833-002

Matrix: SOIL

Received Date: 6/15/2017 9:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/15/2017 11:46:07 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2017 11:46:07 AM
Surr: DNOP	96.4	70-130		%Rec	1	6/15/2017 11:46:07 AM
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	6/15/2017 12:29:14 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.020		mg/Kg	1	6/15/2017 1:33:26 PM
Toluene	ND	0.039		mg/Kg	1	6/15/2017 1:33:26 PM
Ethylbenzene	ND	0.039		mg/Kg	1	6/15/2017 1:33:26 PM
Xylenes, Total	ND	0.079		mg/Kg	1	6/15/2017 1:33:26 PM
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	6/15/2017 1:33:26 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	6/15/2017 1:33:26 PM
Surr: Dibromofluoromethane	119	70-130		%Rec	1	6/15/2017 1:33:26 PM
Surr: Toluene-d8	113	70-130		%Rec	1	6/15/2017 1:33:26 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: AG
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	6/15/2017 1:33:26 PM
Surr: BFB	93.2	70-130		%Rec	1	6/15/2017 1:33:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 2 of 6
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quantitative Limit	R	RPD outside accepted recovery limits	
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706833

16-Jun-17

Client: Williams Field Services

Project: Jicarilla E-4

Sample ID	MB-32305	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	32305	RunNo:	43534					
Prep Date:	6/15/2017	Analysis Date:	6/15/2017	SeqNo:	1371963	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-32305	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	32305	RunNo:	43534					
Prep Date:	6/15/2017	Analysis Date:	6/15/2017	SeqNo:	1371964	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
RL Reporting Detection Limit

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706833

16-Jun-17

Client: Williams Field Services

Project: Jicarilla E-4

Sample ID	LCS-32302		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 32302		RunNo: 43528					
Prep Date:	6/15/2017		Analysis Date: 6/15/2017		SeqNo: 1371104		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.7	73.2	114			
Surr: DNOP	4.7		5.000		94.7	70	130			

Sample ID	MB-32302	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 32302			RunNo: 43528					
Prep Date:	6/15/2017	Analysis Date: 6/15/2017			SeqNo: 1371105		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.4	70	130			

Qualifiers:

- | | |
|--|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | R RPD outside accepted recovery limits |
| RL Reporting Detection Limit | S % Recovery outside of range due to dilution or matrix |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706833

16-Jun-17

Client: Williams Field Services

Project: Jicarilla E-4

Sample ID rb	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batch ID: A43531		RunNo: 43531							
Prep Date:	Analysis Date: 6/15/2017		SeqNo: 1371134		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5000		106	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			

Sample ID 100ng lcs	SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: LCSS	Batch ID: A43531		RunNo: 43531							
Prep Date:	Analysis Date: 6/15/2017		SeqNo: 1371135		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	113	70	130			
Toluene	0.90	0.050	1.000	0	89.5	70	130			
Surr: 1,2-Dichloroethane-d4	0.55		0.5000		110	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.49		0.5000		98.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	R RPD outside accepted recovery limits
RL Reporting Detection Limit	S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706833

16-Jun-17

Client: Williams Field Services

Project: Jicarilla E-4

Sample ID	rb	SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID:	PBS	Batch ID: R43531			RunNo: 43531						
Prep Date:		Analysis Date: 6/15/2017			SeqNo: 1371142		Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		ND	5.0								
Surr: BFB		470		500.0		94.3	70	130			

Sample ID	2.5ug gro lcs	SampType: LCS				TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID: R43531				RunNo: 43531					
Prep Date:		Analysis Date: 6/15/2017				SeqNo: 1371143		Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		26	5.0	25.00	0	104	70	130			
Surr: BFB		480		500.0		96.6	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
RL Reporting Detection Limit

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1706833

RcptNo: 1

Received By: Anne Thorne

6/15/2017 9:00:00 AM

Anne Thorne

Completed By: Anne Thorne

6/15/2017 9:23:21 AM

Anne Thorne

Reviewed By: *aj*

6/15/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks: _____

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

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 August 8, 2011

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 Williams Four Corners LLC	Contact Mitch Morris	
Address 1755 Arroyo Drive	Telephone No. 505-632-4708	
Facility Name Lateral D-2	Facility Type Pipeline	
Surface Owner Jicarilla Apache Tribe	Mineral Owner	API No.

LOCATION OF RELEASE

Unit Letter H	Section 12	Township 26N	Range 5W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
------------------	---------------	-----------------	-------------	---------------	------------------	---------------	----------------	----------------------

Latitude 36.5033° N Longitude -107.3034° W

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 80 cubic yards of impacted soil	Volume Recovered 80 cubic yards of impacted soil
Source of Release Pipeline	Date and Hour of Occurrence 4/20/2017, 9:15 AM MST	Date and Hour of Discovery 4/20/2017, 9:15 AM MST
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse Not Applicable	

OIL CONS. DIV DIST. 3
JUN 29 2017

If a Watercourse was Impacted, Describe Fully.*

Not Applicable

Describe Cause of Problem and Remedial Action Taken.*

A line leak was discovered by a third party contractor. The pipeline was immediately isolated, ceasing the leak. The initial calculated volume was under the reportable amount, however during remedial activities there were 80 cubic yards of impacted soil removed from the site and taken to a NMOCD approved landfarm.

Describe Area Affected and Cleanup Action Taken.*

A cleanup crew was mobilized to the site for remediation. Confirmation soil sample results are attached to this report.

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.

OIL CONSERVATION DIVISION

Mitch Morris Signature:	Approved by Environmental Specialist:	
Printed Name: Mitch Morris		
Title: Environmental Specialist	Approval Date: 7/12/17 Expiration Date:	
E-mail Address: Mitch.Morris@williams.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/26/2017 Phone: 505-632-4708		

* Attach Additional Sheets If Necessary

#NCS 1719331960

10



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

May 26, 2017

Mitch Morris

Williams Field Services

1755 Arroyo Dr.,

Bloomfield, NM 87413

TEL: (505) 632-4442

FAX

RE: Lat 0-2 Line Leak

OrderNo.: 1705C40

Dear Mitch Morris:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/24/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", with a stylized flourish at the end.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1705C40

Date Reported: 5/26/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Williams Field Services**Client Sample ID:** Lat D-2 Side Walls**Project:** Lat 0-2 Line Leak**Collection Date:** 5/23/2017 1:30:00 PM**Lab ID:** 1705C40-001**Matrix:** MEOH (SOIL)**Received Date:** 5/24/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/24/2017 3:44:29 PM	31936
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/25/2017 9:23:06 AM	31943
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/25/2017 9:23:06 AM	31943
Surr: DNOP	99.5	70-130		%Rec	1	5/25/2017 9:23:06 AM	31943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	5/24/2017 7:46:07 PM	G43026
Surr: BFB	121	54-150		%Rec	1	5/24/2017 7:46:07 PM	G43026
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	5/24/2017 7:46:07 PM	B43026
Toluene	ND	0.039		mg/Kg	1	5/24/2017 7:46:07 PM	B43026
Ethylbenzene	ND	0.039		mg/Kg	1	5/24/2017 7:46:07 PM	B43026
Xylenes, Total	0.29	0.079		mg/Kg	1	5/24/2017 7:46:07 PM	B43026
Surr: 4-Bromofluorobenzene	126	66.6-132		%Rec	1	5/24/2017 7:46:07 PM	B43026

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1705C40

Date Reported: 5/26/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Lat D-2 Bottom Composite

Project: Lat 0-2 Line Leak

Collection Date: 5/23/2017 1:35:00 PM

Lab ID: 1705C40-002

Matrix: MEOH (SOIL)

Received Date: 5/24/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	180	30		mg/Kg	20	5/24/2017 3:56:54 PM	31936
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	550	99		mg/Kg	10	5/25/2017 9:45:37 AM	31943
Motor Oil Range Organics (MRO)	ND	500		mg/Kg	10	5/25/2017 9:45:37 AM	31943
Surr: DNOP	0	70-130	S	%Rec	10	5/25/2017 9:45:37 AM	31943
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1800	73		mg/Kg	20	5/24/2017 8:10:06 PM	G43026
Surr: BFB	612	54-150	S	%Rec	20	5/24/2017 8:10:06 PM	G43026
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.68	0.36		mg/Kg	20	5/24/2017 8:10:06 PM	B43026
Toluene	34	0.73		mg/Kg	20	5/24/2017 8:10:06 PM	B43026
Ethylbenzene	11	0.73		mg/Kg	20	5/24/2017 8:10:06 PM	B43026
Xylenes, Total	140	1.5		mg/Kg	20	5/24/2017 8:10:06 PM	B43026
Surr: 4-Bromofluorobenzene	147	66.6-132	S	%Rec	20	5/24/2017 8:10:06 PM	B43026

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705C40

26-May-17

Client: Williams Field Services

Project: Lat 0-2 Line Leak

Sample ID	MB-31936	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	31936	RunNo:	43028					
Prep Date:	5/24/2017	Analysis Date:	5/24/2017	SeqNo:	1355112	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-31936	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	31936	RunNo:	43028					
Prep Date:	5/24/2017	Analysis Date:	5/24/2017	SeqNo:	1355113	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705C40

26-May-17

Client: Williams Field Services

Project: Lat 0-2 Line Leak

Sample ID	LCS-31943		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 31943		RunNo: 43051					
Prep Date:	5/24/2017		Analysis Date: 5/25/2017		SeqNo: 1354741		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.8	73.2	114			
Surr: DNOP	4.8		5.000		95.2	70	130			

Sample ID	MB-31943	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 31943			RunNo: 43051					
Prep Date:	5/24/2017	Analysis Date: 5/25/2017			SeqNo: 1354742		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.1	70	130			

Sample ID	LCS-31932		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 31932		RunNo: 43051					
Prep Date:	5/24/2017		Analysis Date: 5/25/2017		SeqNo: 1355829		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		89.3	70	130			

Sample ID	MB-31932		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 31932		RunNo: 43051					
Prep Date:	5/24/2017		Analysis Date: 5/25/2017		SeqNo: 1355830		Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		94.4	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705C40

26-May-17

Client: Williams Field Services

Project: Lat 0-2 Line Leak

Sample ID	MB-31921	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	31921	RunNo:	43026					
Prep Date:	5/23/2017	Analysis Date:	5/24/2017	SeqNo:	1354470	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.8	54	150			

Sample ID	LCS-31921	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	31921	RunNo:	43026					
Prep Date:	5/23/2017	Analysis Date:	5/24/2017	SeqNo:	1354471	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		106	54	150			

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	G43026	RunNo:	43026					
Prep Date:		Analysis Date:	5/24/2017	SeqNo:	1354482	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.1	54	150			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	G43026	RunNo:	43026					
Prep Date:		Analysis Date:	5/24/2017	SeqNo:	1354483	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.3	76.4	125			
Surr: BFB	1100		1000		112	54	150			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1705C40

26-May-17

Client: Williams Field Services

Project: Lat 0-2 Line Leak

Sample ID	MB-31921	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	31921	RunNo:	43026					
Prep Date:	5/23/2017	Analysis Date:	5/24/2017	SeqNo:	1354496	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.2		1.000		117	66.6	132			

Sample ID	LCS-31921	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	31921	RunNo:	43026					
Prep Date:	5/23/2017	Analysis Date:	5/24/2017	SeqNo:	1354497	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.3		1.000		127	66.6	132			

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	B43026	RunNo:	43026					
Prep Date:		Analysis Date:	5/24/2017	SeqNo:	1354508	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		115	66.6	132			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	B43026	RunNo:	43026					
Prep Date:		Analysis Date:	5/24/2017	SeqNo:	1354509	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	66.6	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
R RPD outside accepted recovery limits	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1705C40

RcptNo: 1

Received By: Anne Thorne

5/24/2017 7:15:00 AM

Completed By: Andy Jansson

5/24/2017 8:43:36 AM

Reviewed By:

5/24/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

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 August 8, 2011

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	Williams Four Corners LLC	Contact	Mitch Morris
Address	1755 Arroyo Drive	Telephone No.	505-632-4708
Facility Name	Tribal C-2	Facility Type	Pipeline
Surface Owner	Jicarilla Apache Tribe	Mineral Owner	
		API No.	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	6	26N	3W					Rio Arriba

Latitude 36.5102° N Longitude -107.1905° W

NATURE OF RELEASE

Type of Release	Produced Water	Volume of Release	160 cubic yards of impacted soil	Volume Recovered	160 cubic yards of impacted soil
Source of Release	Pipeline	Date and Hour of Occurrence	5/5/2017, 10:00 AM MST	Date and Hour of Discovery	5/5/2017, 10:00 AM MST
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A			
By Whom?	N/A	Date and Hour N/A			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Not Applicable			

OIL CONS. DIV DIST. 3

JUN 29 2017

If a Watercourse was Impacted, Describe Fully.*

Not Applicable

Describe Cause of Problem and Remedial Action Taken.*

An employee discovered a damaged valve on a drip riser on the pipeline. The pipeline was immediately isolated, ceasing the leak and the damaged valve was replaced. The initial calculated volume was under the reportable amount, however during remedial activities there were 160 cubic yards of impacted soil removed from the site and taken to a NMOCD approved landfarm.

Describe Area Affected and Cleanup Action Taken.*

A cleanup crew was mobilized to the site for remediation. Confirmation soil sample results are attached to this report.

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.

OIL CONSERVATION DIVISION

Mitch Morris
Signature:

Approved by Environmental Specialist:

Printed Name: Mitch Morris

Title: Environmental Specialist

Approval Date:

7/11/17

Expiration Date:

E-mail Address: Mitch.Morris@williams.com

Conditions of Approval:

Attached ☐

Date: 6/26/2017

Phone: 505-632-4708

* Attach Additional Sheets If Necessary

#NCS1719256960 3RR-1014

12



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 16, 2017

Mitch Morris
Williams Field Services
188 Co. Rd 4900
Bloomfield, NM 87413
TEL:
FAX

RE: Tribal C-2: S-1 N&W Wall, S-2 S&E Walls

OrderNo.: 1706832

Dear Mitch Morris:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/15/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1706832

Date Reported: 6/16/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Tribal C-2 S-1 North & West

Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Wa

Collection Date: 6/14/2017 11:30:00 AM

Lab ID: 1706832-001

Matrix: SOIL

Received Date: 6/15/2017 9:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/15/2017 2:14:36 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2017 2:14:36 PM
Surr: DNOP	104	70-130		%Rec	1	6/15/2017 2:14:36 PM
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	6/15/2017 11:14:46 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.020		mg/Kg	1	6/15/2017 11:36:56 AM
Toluene	ND	0.040		mg/Kg	1	6/15/2017 11:36:56 AM
Ethylbenzene	ND	0.040		mg/Kg	1	6/15/2017 11:36:56 AM
Xylenes, Total	ND	0.080		mg/Kg	1	6/15/2017 11:36:56 AM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	6/15/2017 11:36:56 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	6/15/2017 11:36:56 AM
Surr: Dibromofluoromethane	116	70-130		%Rec	1	6/15/2017 11:36:56 AM
Surr: Toluene-d8	113	70-130		%Rec	1	6/15/2017 11:36:56 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: AG
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	6/15/2017 11:36:56 AM
Surr: BFB	92.8	70-130		%Rec	1	6/15/2017 11:36:56 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	R RPD outside accepted recovery limits
	RL Reporting Detection Limit	S % Recovery outside of range due to dilution or matrix

Analytical Report

Lab Order 1706832

Date Reported: 6/16/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Tribal C-2 S-2 South & East

Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Wa

Collection Date: 6/14/2017 11:35:00 AM

Lab ID: 1706832-002

Matrix: SOIL

Received Date: 6/15/2017 9:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	14	10		mg/Kg	1	6/15/2017 2:39:33 PM
Motor Oil Range Organics (MRO)	110	50		mg/Kg	1	6/15/2017 2:39:33 PM
Surr: DNOP	101	70-130		%Rec	1	6/15/2017 2:39:33 PM
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	6/15/2017 11:27:11 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.019		mg/Kg	1	6/15/2017 12:06:01 PM
Toluene	ND	0.037		mg/Kg	1	6/15/2017 12:06:01 PM
Ethylbenzene	ND	0.037		mg/Kg	1	6/15/2017 12:06:01 PM
Xylenes, Total	ND	0.075		mg/Kg	1	6/15/2017 12:06:01 PM
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	6/15/2017 12:06:01 PM
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	6/15/2017 12:06:01 PM
Surr: Dibromofluoromethane	118	70-130		%Rec	1	6/15/2017 12:06:01 PM
Surr: Toluene-d8	106	70-130		%Rec	1	6/15/2017 12:06:01 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: AG
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	6/15/2017 12:06:01 PM
Surr: BFB	91.1	70-130		%Rec	1	6/15/2017 12:06:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 2 of 8
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quantitative Limit	R	RPD outside accepted recovery limits	
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix	

Analytical Report

Lab Order 1706832

Date Reported: 6/16/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Tribal C-2 Bottom

Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Wa

Collection Date: 6/14/2017 11:40:00 AM

Lab ID: 1706832-003

Matrix: SOIL

Received Date: 6/15/2017 9:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/15/2017 3:04:27 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/15/2017 3:04:27 PM
Surr: DNOP	96.1	70-130		%Rec	1	6/15/2017 3:04:27 PM
EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	6/15/2017 12:04:25 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: AG
Benzene	ND	0.022		mg/Kg	1	6/15/2017 12:35:02 PM
Toluene	ND	0.045		mg/Kg	1	6/15/2017 12:35:02 PM
Ethylbenzene	ND	0.045		mg/Kg	1	6/15/2017 12:35:02 PM
Xylenes, Total	ND	0.090		mg/Kg	1	6/15/2017 12:35:02 PM
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	6/15/2017 12:35:02 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/15/2017 12:35:02 PM
Surr: Dibromofluoromethane	116	70-130		%Rec	1	6/15/2017 12:35:02 PM
Surr: Toluene-d8	109	70-130		%Rec	1	6/15/2017 12:35:02 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: AG
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	6/15/2017 12:35:02 PM
Surr: BFB	90.7	70-130		%Rec	1	6/15/2017 12:35:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	R	RPD outside accepted recovery limits
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706832

16-Jun-17

Client: Williams Field Services

Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Walls

Sample ID	MB-32305	SampType: mblk			TestCode: EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID: 32305			RunNo: 43534					
Prep Date:	6/15/2017	Analysis Date: 6/15/2017			SeqNo: 1371963		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-32305	SampType: Ics			TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID: 32305			RunNo: 43534					
Prep Date:	6/15/2017	Analysis Date: 6/15/2017			SeqNo: 1371964		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
RL Reporting Detection Limit

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706832

16-Jun-17

Client: Williams Field Services
Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Walls

Sample ID	LCS-32302	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	32302	RunNo:	43528					
Prep Date:	6/15/2017	Analysis Date:	6/15/2017	SeqNo:	1371104	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.7	73.2	114			
Surr: DNOP	4.7		5.000		94.7	70	130			

Sample ID	MB-32302	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	32302	RunNo:	43528					
Prep Date:	6/15/2017	Analysis Date:	6/15/2017	SeqNo:	1371105	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.4	70	130			

Sample ID	1706832-001AMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	Tribal C-2 S-1 North	Batch ID:	32302	RunNo:	43528					
Prep Date:	6/15/2017	Analysis Date:	6/15/2017	SeqNo:	1372094	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.40	0	98.7	55.8	122			
Surr: DNOP	5.0		5.040		98.5	70	130			

Sample ID	1706832-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	Tribal C-2 S-1 North	Batch ID:	32302	RunNo:	43528					
Prep Date:	6/15/2017	Analysis Date:	6/15/2017	SeqNo:	1372095	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.5	47.44	0	90.4	55.8	122	14.8	20	
Surr: DNOP	4.0		4.744		83.5	70	130	0	0	

Qualifiers:

- | | |
|--|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | R RPD outside accepted recovery limits |
| RL Reporting Detection Limit | S % Recovery outside of range due to dilution or matrix |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706832

16-Jun-17

Client: Williams Field Services

Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Walls

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	A43531	RunNo:	43531					
Prep Date:		Analysis Date:	6/15/2017	SeqNo:	1371134	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5000		106	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			

Sample ID	100ng lcs	SampType:	LCS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	LCSS	Batch ID:	A43531	RunNo:	43531					
Prep Date:		Analysis Date:	6/15/2017	SeqNo:	1371135	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	113	70	130			
Toluene	0.90	0.050	1.000	0	89.5	70	130			
Surr: 1,2-Dichloroethane-d4	0.55		0.5000		110	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.49		0.5000		98.2	70	130			

Sample ID	1706832-001ams	SampType:	MS	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Tribal C-2 S-1 North	Batch ID:	A43531	RunNo:	43531					
Prep Date:		Analysis Date:	6/15/2017	SeqNo:	1371806	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	61.9	146			
Toluene	0.98	0.050	1.000	0.005060	97.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.56		0.5000		112	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.8	70	130			
Surr: Dibromofluoromethane	0.59		0.5000		118	70	130			
Surr: Toluene-d8	0.57		0.5000		114	70	130			

Sample ID	1706832-001amsd	SampType:	MSD	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Tribal C-2 S-1 North	Batch ID:	A43531	RunNo:	43531					
Prep Date:		Analysis Date:	6/15/2017	SeqNo:	1371807	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	61.9	146	1.34	20	
Toluene	0.98	0.050	1.000	0.005060	97.2	70	130	0.0583	20	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
RL Reporting Detection Limit

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706832

16-Jun-17

Client: Williams Field Services

Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Walls

Sample ID	1706832-001amsd	SampType:	MSD	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Tribal C-2 S-1 North	Batch ID:	A43531	RunNo:	43531					
Prep Date:	Analysis Date: 6/15/2017			SeqNo:	1371807	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		106	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.53		0.5000		105	70	130	0	0	
Surr: Dibromofluoromethane	0.59		0.5000		118	70	130	0	0	
Surr: Toluene-d8	0.58		0.5000		115	70	130	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
RL Reporting Detection Limit

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706832

16-Jun-17

Client: Williams Field Services

Project: Tribal C-2: S-1 N&W Wall, S-2 S&E Walls

Sample ID	rb	SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID: R43531			RunNo: 43531					
Prep Date:		Analysis Date: 6/15/2017			SeqNo: 1371142		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)

ND

5.0

Surr: BFB

470

500.0

94.3

70

130

Sample ID	2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID: R43531			RunNo: 43531					
Prep Date:		Analysis Date: 6/15/2017			SeqNo: 1371143		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	70	130			
Surr: BFB	480		500.0		96.6	70	130			

Gasoline Range Organics (GRO)

26

5.0

25.00

0

104

70

130

Surr: BFB

480

500.0

96.6

70

130

Sample ID	1706832-002ams	SampType:	MS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	Tribal C-2 S-2 South	Batch ID:	R43531	RunNo:	43531					
Prep Date:		Analysis Date:	6/15/2017	SeqNo:	1371680	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	3.7	18.74	1.364	105	63.2	128			
Surr: BFB	320		374.8		86.5	70	130			

Gasoline Range Organics (GRO)

21

3.7

18.74

1.364

105

63.2

128

Surr: BFB

320

374.8

86.5

70

130

Sample ID	1706832-002amsd	SampType:	MSD			TestCode:	EPA Method 8015D Mod: Gasoline Range				
Client ID:	Tribal C-2 S-2 South	Batch ID:	R43531			RunNo:	43531				
Prep Date:		Analysis Date:	6/15/2017			SeqNo:	1371681	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	20	3.7	18.74	1.364	102	63.2	128	3.00	20		
Surr: BFB	330		374.8		88.6	70	130	0	0		

Gasoline Range Organics (GRO)

20

3.7

18.74

1.364

102

63.2

128

3.00

20

Surr: BFB

330

374.8

88.6

70

130

0

0

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
RL Reporting Detection Limit

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
R RPD outside accepted recovery limits
S % Recovery outside of range due to dilution or matrix



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1706832

RcptNo: 1

Received By: Anne Thorne 6/15/2017 9:00:00 AM

Completed By: Anne Thorne 6/15/2017 9:16:49 AM

Reviewed By: *aj* 6/15/17

Anne Thorne

Anne Thorne

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH: _____
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted? _____
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐ Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

