

Release Report/ General Correspondence

Williams RA

Date: Oct-Dec 2015

OIL CONS. DIV DIST. 3

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

CD-L--- Not IC

State of New Mexico Energy Minerals and Natural Resources

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

OCT 16 2015

Form C-141 Revised August 8, 2011

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

1 ONOT NL

Release Notification and Corrective Action

		OPERATOR	\boxtimes	Initial Report	Final Report
Name of Company: Williams Four Corners LL	С	Contact: Kelsey Christiansen			
Address: 188 CR 4900, Bloomfield, NM 8741	3	Telephone No.: (505) 632-4606			
Facility Name: Trunk Q Pipeline		Facility Type: Pipeline			
Surface Owner: Bureau of Land Management	Mineral Owner		A	PI No.	

Surface Owner: Bureau of Land Management Mineral Owner

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	
G	29	26N	8W					Rio Arriba	

Latitude <u>36.46036° N</u> Longitude <u>-107.70329° W</u>

270 1/01

** *

NATURE OF RELEASE

Type of Release: Natural Gas		Natural Gas	volume K	ecovered: 0 MCF Natural gas
Source of Release: Pinhole		Date and Hour of Occurrence: Estimated 09/30/15 at 10:00 AM	Date and H 09/30/15 a	Iour of Discovery: t 10:00 AM MST
Was Immediate Notice Given?	Yes No Not Required	If YES, To Whom?		
By Whom?		Date and Hour:		
Was a Watercourse Reached?	Yes X No	If YES, Volume Impacting the Wa	tercourse.	
If a Watercourse was Impacted, I	Describe Fully.*			
Not Applicable				
Describe Cause of Problem and F	temedial Action Taken.*			
On September 30, 2015 Williams repairs and excavation was comp insure cleanup standards are met	personnel discovered a suspected pinhol- lete the gas loss was calculated to be appr and when the results become available a	e leak on the Trunk Q Pipeline which roximately 270 MCF natural gas. Co final Form C-141 will be submitted.	h caused the r nfirmation so	elease of natural gas. Once il samples were collected to
Describe Area Affected and Clear	nup Action Taken.*			1 - L (4 - L + L - L - L - L - L - L - L - L - L
Complete excavation of the imp	acted soil will take place utilizing confirm	mation soil samples of the sidewalls	and the base o	of the excavation.
I hereby certify that the informati regulations all operators are requi public health or the environment. should their operations have faile or the environment. In addition, federal, state, or local laws and/or	on given above is true and complete to the red to report and/or file certain release no The acceptance of a C-141 report by the d to adequately investigate and remediate NMOCD acceptance of a C-141 report do regulations.	the best of my knowledge and understa otifications and perform corrective ac NMOCD marked as "Final Report" contamination that pose a threat to goes not relieve the operator of respon	and that pursu tions for relea does not relie ground water, sibility for co	ant to NMOCD rules and ases which may endanger we the operator of liability surface water, human health mpliance with any other
		OIL CONSER'	VATION	DIVISION
Kelang Christian Signature:	n	Approved by Environmental Speciali	st: An	m J
Printed Name: Kelsey Christianse	n			00
Title: Environmental Specialist		Approval Date: 11/9/15	Expiration D	Pate:
E-mail Address: kelsey.christians	en@williams.com	Conditions of Approval:		Attached
Date: 10/12/15	Phone: (505) 632-4606		and the	
Attach Additional Sheets If Ne	cessary NCS 1531	132 7951		0

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

OIL CONS. DIV DIST. 3

State of New Mexico Energy Minerals and Natural Resources

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

OCT 16 2015

Form C-141 Revised August 8, 2011

6

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

Release Notification and Corrective Action

		OPERATOR	\boxtimes	Initial Report		Final Report
Name of Company: Williams Four Corners LL	С	Contact: Kelsey Christiansen				
Address: 188 CR 4900, Bloomfield, NM 8741	3	Telephone No.: (505) 632-4606	1.1		4	
Facility Name: 31-6 #49 Pipeline		Facility Type: Pipeline			1	
Surface Owner: Bureau of Land Management	Mineral Owner	r	A	PI No.		

Surface Owner: Bureau of Land Management Mineral Owner

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	
Н	5	30N	6W					Rio Arriba	

Latitude 36.84391° N Longitude -107.48028° W

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 80.5 MCF Natural Gas	Volume Recovered: 0 MCF Natural gas
Source of Release: Pinhole	Date and Hour of Occurrence: Estimated 09/30/15 at 01:00 PM	Date and Hour of Discovery: 09/30/15 at 01:00 PM MST
Was Immediate Notice Given?	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.
If a Watercourse was Impacted, Describe Fully.*		
Not Applicable		
Describe Cause of Problem and Remedial Action Taken.*	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
On September 30, 2015 Williams personnel discovered a suspected pinhol repairs and excavation was complete the gas loss was calculated to be appring insure cleanup standards are met and when the results become available a	le leak on the 31-6 #49 Pipeline which roximately 80.5 MCF natural gas. Co final Form C-141 will be submitted.	n caused the release of natural gas. Once nfirmation soil samples were collected to
Describe Area Affected and Cleanup Action Taken.* Complete excavation of the impacted soil will take place utilizing confirm	mation soil samples of the sidewalls a	nd the base of the excavation.
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report do federal, state, or local laws and/or regulations.	he best of my knowledge and understa otifications and perform corrective act NMOCD marked as "Final Report" contamination that pose a threat to g bes not relieve the operator of response	and that pursuant to NMOCD rules and tions for releases which may endanger does not relieve the operator of liability round water, surface water, human health sibility for compliance with any other
Kelong Christian Signature:	OIL CONSERV Approved by Environmental Specialis	st: Cary
Printed Name: Kelsey Christiansen		
Title: Environmental Specialist	Approval Date: 11/9/15	Expiration Date:
E-mail Address: kelsey.christiansen@williams.com	Conditions of Approval:	Attached
Date: 10/12/15 Phone: (505) 632-4606		
Attach Additional Sheets If Necessary NCS 15	3132 8642	A

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Final Report

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

OP	ERA	TO	R
· · · ·			

Name of Company Williams Four Corners, LLC	Contact Kelsey Christiansen
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606
Facility Name Bancos	Facility Type Compressor Station

Surface Owner New Mexico State Lands Mineral Owner

API No.

☐ Initial Report

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	
------------------	---------------	-----------------	-------------	---------------	------------------	---------------	----------------	----------------------	--

Latitude 36.942492 N Longitude 107.404880 W

NATURE OF RELEASE

Type of Release Natural Gas	Volume of Release 420 MCF	Volume Reco	overed 0 MCF
Source of Release Compressor	Date and Hour of Occurrence 11/13/2015, 12:15 PM MST	Date and Ho 11/13/2015,	ur of Discovery 12:15 PM MST
Was Immediate Notice Given?	If YES, To Whom?		
By Whom?	Date and Hour		
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.	
If a Watercourse was Impacted, Describe Fully.*		OIL CONS	DIV DIST. 3
Not Applicable		DEC	1 4 2015
Describe Cause of Problem and Remedial Action Taken.*			
Williams personnel arrived onsite and discovered four compressor manual units the day before. Natural gas loss was calculated to be 420 MCF total f	dump valves left open. Contractor ha rom the four valves and was vented t	ad been doing f to atmosphere.	lywheel maintenance on the
Describe Area Affected and Cleanup Action Taken.*			
No cleanup required with gas releases vented to atmosphere.			
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report do federal, state, or local laws and/or regulations.	e best of my knowledge and understa otifications and perform corrective act NMOCD marked as "Final Report" contamination that pose a threat to g bes not relieve the operator of response	and that pursuar tions for release does not relieve ground water, su sibility for comp	nt to NMOCD rules and es which may endanger e the operator of liability urface water, human health pliance with any other
	OIL CONSERV	VATION D	IVISION
Signature:	Approved by Environmental Specialis	st:	
Printed Name: Kelsey Christiansen	Chose	in	
Title: Environmental Specialist	Approval Date: 11212016	Expiration Dat	e:
E-mail Address: kelsey.christiansen@williams.com	Conditions of Approval:		Attached
Pate. 12/09/2013 Filone. 505-052-4000			

* Attach Additional Sheets If Necessary

NUF1602151144

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

OIL CONS. DIV DIST. 3

Form C-141 JAN 1 2 2016 Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

	OPERATOR	Initial Report	\boxtimes	Final Report
Name of Company Williams Four Corners LLC	Contact Kelsey Christiansen	ALC: NOT THE REAL PROPERTY OF		
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606			
Facility Name Tribal C-11A Pipeline	Facility Type Pipeline			

Surface Owner Jicarilla Apache Nation Mineral Owner

API No.

LOCATION OF RELEASE

Unit Letter O	Section 5	Township 26N	Range 3W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
------------------	-----------	-----------------	-------------	---------------	------------------	---------------	----------------	----------------------

Latitude 36.50892° N Longitude -107.16470° W

NATURE OF RELEASE

Type of Release Condensate	Volume of Release Estimated at 5 BBL	Volume Recovered 0 MCF
Source of Release Valve	Date and Hour of Occurrence	Date and Hour of Discovery
	03/19/2015, 01:40 PM MST	03/19/2015, 01:40 PM MST
Was Immediate Notice Given?	If YES, To Whom?	
Yes No X Not Required		
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.
🗌 Yes 🖾 No		
If a Watercourse was Impacted, Describe Fully.*		
Not Applicable	the second s	at the standard with the
Describe Cause of Problem and Remedial Action Taken.* While performing routine duties Williams Op Tech discovered a valve act and the valve was closed.	ively leaking on the Tribal C-11A pip	beline. The leak was immediately stopped
Describe Area Affected and Cleanup Action Taken.*		
Approximately five BBLs of impacted soil was remediated in direct coord Sandoval with the Jicarilla Apache Tribe. Attached are the final soil analyt	ination with the Jicarilla Apache Trib tical results.	e. Backfill approval was given via Hobson
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not	he best of my knowledge and understand offications and perform corrective ac	nd that pursuant to NMOCD rules and tions 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.

Kelang Christian Signature:	OIL CONSERVATION	<u>DIVISION</u>
Printed Name: Kelsey Christiansen	anossa Cu	5
Title: Environmental Specialist	Approval Date: 1 20 2016 Expiration I	Date:
E-mail Address: kelsey.christiansen@williams.com	Conditions of Approval:	Attached
Date: 04/01/2015 Phone: 505-632-4606	-	
Attach Additional Sheets If Necessary	NCS1509732098	



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

April 10, 2015

Kelsey Christiansen Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: (505) 632-4442 FAX

RE: Tribal C-11A Clean-up

OrderNo.: 1503D25

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 3/28/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Lab Order 1503D25

Date Reported: 4/10/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Tribal C-11A Wall Composite

 Project: Tribal C-11A Clean-up
 Collection Date: 3/27/2015 11:20:00 AM

 Lab ID: 1503D25-001
 Matrix: SOIL
 Received Date: 3/28/2015 10:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF Date Analyzed
 Batch

		2-		-	and an an an an an an an an	
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/1/2015 1:57:26 PM	18415
Surr: DNOP	99.7	63.5-128	%REC	1	4/1/2015 1:57:26 PM	18415
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/31/2015 11:53:14 AM	18423
Surr: BFB	93.5	80-120	%REC	1	3/31/2015 11:53:14 AM	18423
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.049	mg/Kg	1	3/31/2015 11:53:14 AM	18423
Toluene	ND	0.049	mg/Kg	1	3/31/2015 11:53:14 AM	18423
Ethylbenzene	ND	0.049	mg/Kg	1	3/31/2015 11:53:14 AM	18423
Xylenes, Total	0.13	0.098	mg/Kg	1	3/31/2015 11:53:14 AM	18423
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	3/31/2015 11:53:14 AM	18423
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	110	30	mg/Kg	20	4/9/2015 3:18:40 PM	18493
EPA METHOD 418.1: TPH					Analyst:	JME
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	3/31/2015 12:00:00 PM	18419

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	rage ror /
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1503D25 Date Reported: 4/10/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Project: Tribal C-11A Clean-up

Client Sample ID: Tribal C-11A Bottom Composite Collection Date: 3/27/2015 11:30:00 AM Received Date: 3/28/2015 10:30:00 AM

Matrix:	Received 1	Received Date: 3/28/2015 10:30:00 AM				
Result RL Q		Qual Units	DF	Date Analyzed	Batch	
RGANICS				Analyst	BCN	
ND	9.6	mg/Kg	1	4/1/2015 3:01:16 PM	18415	
101	63.5-128	%REC	1	4/1/2015 3:01:16 PM	18415	
E				Analyst	NSB	
ND	5.0	mg/Kg	1	3/31/2015 1:19:30 PM	18423	
91.0	80-120	%REC	1	3/31/2015 1:19:30 PM	18423	
				Analyst	NSB	
ND	0.050	mg/Kg	1	3/31/2015 1:19:30 PM	18423	
ND	0.050	mg/Kg	1	3/31/2015 1:19:30 PM	18423	
ND	0.050	mg/Kg	1	3/31/2015 1:19:30 PM	18423	
ND	0.099	mg/Kg	1	3/31/2015 1:19:30 PM	18423	
104	80-120	%REC	1	3/31/2015 1:19:30 PM	18423	
				Analyst	LGT	
ND	30	mg/Kg	20	4/9/2015 3:31:04 PM	18493	
				Analyst	JME	
ND	20	mg/Kg	1	3/31/2015 12:00:00 PM	18419	
	Matrix: Result PRGANICS ND 101 E ND 91.0 ND ND ND ND 104 ND ND ND ND ND ND ND ND ND ND	Matrix: SOIL Result RL (ND 9.6 101 63.5-128 ND 9.6 101 63.5-128 ND 91.0 80-120 0 ND 0.050 ND 0.050 ND 0.050 ND 0.099 104 80-120 30 ND 30 30	Matrix: SOIL Received I Result RL Qual Units ND 9.6 mg/Kg 101 63.5-128 %REC ND 5.0 mg/Kg 91.0 80-120 %REC ND 0.050 mg/Kg ND 0.099 mg/Kg ND 30 mg/Kg ND 30 mg/Kg ND 20 mg/Kg	Matrix: SOIL Received Date: 3/2 Result RL Qual Units DF NRGANICS ND 9.6 mg/Kg 1 ND 9.6 mg/Kg 1 101 63.5-128 %REC 1 E ND 5.0 mg/Kg 1 ND 0.050 mg/Kg 1 ND 0.099 mg/Kg 1 ND 0.099 mg/Kg 1 ND 30 mg/Kg 20 ND 30 mg/Kg 1 ND 30 mg/Kg 1 ND 30 mg/Kg 1 ND 20 mg/Kg 1 ND 20 mg/Kg 1	Matrix: SOIL Received Date: 3/28/2015 10:30:00 AM Result RL Qual Units DF Date Analyzed RGANICS Analyst: MD 9.6 mg/Kg 1 4/1/2015 3:01:16 PM ND 9.6 mg/Kg 1 4/1/2015 3:01:16 PM Analyst: ND 9.6 mg/Kg 1 3/31/2015 1:19:30 PM Analyst: ND 5.0 mg/Kg 1 3/31/2015 1:19:30 PM Analyst: ND 5.0 mg/Kg 1 3/31/2015 1:19:30 PM Analyst: ND 0.050 mg/Kg 1 3/31/2015 1:19:30 PM Analyst: ND 0.099 mg/Kg 1 3/31/2015 1:19:30 PM Analyst: ND 30 mg/Kg	

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth-	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 age 2 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503D25

10-Apr-15

Client: Will Project: Trib	liams Field Services Dal C-11A Clean-up
Sample ID MB-18493 Client ID: PBS Prep Date: 4/2/2015	SampType: MBLK TestCode: EPA Method 300.0: Anions Batch ID: 18493 RunNo: 25277 Analysis Date: 4/2/2015 SeqNo: 747465 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual ND 1.5
Sample ID LCS-18493 Client ID: LCSS	SampType: LCS TestCode: EPA Method 300.0: Anions Batch ID: 18493 RunNo: 25277
Prep Date: 4/2/2015 Analyte	Analysis Date: 4/2/2015 SeqNo: 747466 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 0 92.5 90 110

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 3 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: 1503D25

10-Apr-15

Client: Willia Project: Tribal	ms Field Services C-11A Clean-up				
Sample ID MB-18419	SampType: MBLK	TestCode: EPA Method	418.1: TPH	16	
Client ID: PBS	Batch ID: 18419	RunNo: 25190			
Prep Date: 3/30/2015	Analysis Date: 3/31/2015	SeqNo: 744472	Units: mg/Kg		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND 20				
Sample ID LCS-18419	SampType: LCS	TestCode: EPA Method	418.1: TPH	2012	1.00
Client ID: LCSS	Batch ID: 18419	RunNo: 25190			
Prep Date: 3/30/2015	Analysis Date: 3/31/2015	SeqNo: 744473	Units: mg/Kg		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	90 20 100.0	0 89.6 86.7	126		
Sample ID LCSD-18419	SampType: LCSD	TestCode: EPA Method	418.1: TPH	19.00	
Client ID: LCSS02	Batch ID: 18419	RunNo: 25190			
Prep Date: 3/30/2015	Analysis Date: 3/31/2015	SeqNo: 744474	Units: mg/Kg		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	94 20 100.0	0 93.6 86.7	126 4.37	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 4 of 7

Hall	Environmental	Analysis	Laboratory,	Inc.

WO#: 1503D25

10-Apr-15

Client:	Williams	Field Service	S								
Project:	Thoat C-1	TA Clean-u	,		_	_	_	-	-	-	-
Sample ID	MB-18415	SampType	e: ME	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range	Organics	
Client ID:	PBS	Batch ID	: 18	415	F	RunNo: 2	5210				
Prep Date:	3/30/2015	Analysis Date	: 4/	1/2015	5	SeqNo: 7	45560	Units: mg/h	٢g		
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10						100		
Surr: DNOP		9.5		10.00		94.7	63.5	128	Sec.	il marte	
Sample ID	LCS-18415	SampType	e: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	LCSS	Batch ID	: 18	415	F	RunNo: 2	5210				
Prep Date:	3/30/2015	Analysis Date	: 4/	1/2015	5	SeqNo: 7	45613	Units: mg/H	٢g		
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	50	10	50.00	0	99.8	67.8	130	1.000	and the second	
Surr: DNOP	a harring h	5.4		5.000		108	63.5	128	1	14/2	
Sample ID	1503D25-001AMS	SampType	e: MS	5	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	Tribal C-11A Wall	C Batch ID	: 18	415	F	RunNo: 2	5210				
Prep Date:	3/30/2015	Analysis Date	: 4/	1/2015	5	SeqNo: 7	45615	Units: mg/k	٢g		
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	48	9.8	48.83	7.716	83.2	29.2	176	1		×
Surr: DNOP		5.0		4.883	1.18	101	63.5	128	2.18	L Start	
Sample ID	1503D25-001AMSE) SampType	e: MS	SD	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	Tribal C-11A Wall	C Batch ID	: 18	415	F	RunNo: 2	5210				
Prep Date:	3/30/2015	Analysis Date	: 4/	1/2015	5	SeqNo: 7	45616	Units: mg/H	٢g		
Analyte	-	Result P	QL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	63	9.9	49.70	7.716	112	29.2	176	26.6	23	R
SUTT: DNOP		6.4		4.970		129	63.5	128	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

ND

920

5.0

1000

Client: Project:	Williams Tribal C-	Field Serv 11A Clear	vices 1-up									
Sample ID	1503D25-001AMS	SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e		
Client ID:	Tribal C-11A Wall	C Batch	n ID: 18	423	F	RunNo: 2	5192					
Prep Date:	3/30/2015	Analysis D	ate: 3/	31/2015	S	SeqNo: 7	44982	Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	31	4.9	24.61	0	127	47.9	144	5.40	29.9		
Surr: BFB		990		984.3	in the last	100	80	120	0	0		
Sample ID	1503D25-001AMS	SampT	ype: MS	6	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e		
Client ID:	Tribal C-11A Wall	c Batch	n ID: 18	423	F	RunNo: 2	5192					
Prep Date:	3/30/2015	Analysis D	ate: 3/	31/2015	S	SeqNo: 7	44985	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	33	4.9	24.56	0	134	47.9	144				
Surr: BFB	Section 2.	1000		982.3	a start	103	80	120	a series	in the		
Sample ID	LCS-18423	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e		
Client ID:	LCSS	Batch	n ID: 18	423	F	RunNo: 2	5192					
Prep Date:	3/30/2015	Analysis D	ate: 3/	31/2015		SeqNo: 7	44986	Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	25	5.0	25.00	0	101	64	130			1111	
Surr: BFB		970		1000	N. Ash	96.6	80	120				
Sample ID	MB-18423	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e		
Client ID:	PBS	Batch	n ID: 18	423	F	RunNo: 2	5192					
Prep Date:	3/30/2015	Analysis D	ate: 3/	31/2015	5	SeqNo: 7	44987	Units: mg/k	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Value above quantitation range Е J
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0

Gasoline Range Organics (GRO)

Surr: BFB

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND

92.0

80

120

Page 6 of 7

- Sample pH Not In Range P
- RL **Reporting Detection Limit**

WO#: 1503D25

10-Apr-15

Hall Environmental Analysis Laboratory, Inc.

Client: Williams Field Services

Project: Tribal C-11A Clean-up

Sample ID	1503D25-002AMS	S Samp	Type: MS	6	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	Tribal C-11A Bott	tom Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [Date: 3/	31/2015	S	SeqNo: 7	44992	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.3	0.050	0.9940	0	131	69.2	126	1.1		S
Toluene		1.2	0.050	0.9940	0.009434	121	65.6	128			
Ethylbenzene		1.2	0.050	0.9940	0	123	65.5	138			
Xylenes, Total		3.6	0.099	2.982	0.03437	121	63	139			
Surr: 4-Brom	ofluorobenzene	1.1		0.9940		108	80	120		1 thursday	
Sample ID	1503D25-002AMS	SD Samp	Туре: М	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles	15.9	
Client ID:	Tribal C-11A Bott	tom Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [Date: 3/	31/2015	5	SeqNo: 7	44993	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.3	0.050	0.9940	0	136	69.2	126	3.68	18.5	S
Toluene		1.3	0.050	0.9940	0.009434	129	65.6	128	5.68	20.6	S
Ethylbenzene		1.3	0.050	0.9940	0	129	65.5	138	4.66	20.1	
Xylenes, Total		3.8	0.099	2.982	0.03437	127	63	139	4.52	21.1	
Surr: 4-Brom	ofluorobenzene	1.1		0.9940	Juli-	110	80	120	0	0	
Sample ID	LCS-18423	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles	100 T 1	
		- Address of the second									
Client ID:	LCSS	Batc	h ID: 18	423	F	RunNo: 2	5192				
Client ID: Prep Date:	LCSS 3/30/2015	Batc Analysis [h ID: 18 Date: 3/	423 31/2015	F	RunNo: 2 SeqNo: 7	5192 44994	Units: mg/H	(g		
Client ID: Prep Date: Analyte	LCSS 3/30/2015	Batc Analysis I Result	h ID: 18 Date: 3/ PQL	423 31/2015 SPK value	F S SPK Ref Val	RunNo: 2 SeqNo: 7 %REC	5192 44994 LowLimit	Units: mg/H HighLimit	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene	LCSS 3/30/2015	Batc Analysis I Result 1.2	h ID: 18 Date: 3/ PQL 0.050	423 31/2015 SPK value 1.000	F S SPK Ref Val 0	RunNo: 2 SeqNo: 7 %REC 119	5192 44994 LowLimit 76.6	Units: mg/F HighLimit 128	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene	LCSS 3/30/2015	Batc Analysis I Result 1.2 1.1	h ID: 18 Date: 3/ PQL 0.050 0.050	423 31/2015 SPK value 1.000 1.000	F SPK Ref Val 0 0	RunNo: 2 SeqNo: 7 %REC 119 110	5192 44994 LowLimit 76.6 75	Units: mg/H HighLimit 128 124	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	LCSS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050	423 31/2015 SPK value 1.000 1.000 1.000	F S SPK Ref Val 0 0 0 0	RunNo: 2 SeqNo: 7 %REC 119 110 110	5192 44994 LowLimit 76.6 75 79.5	Units: mg/H HighLimit 128 124 126	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	LCSS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.10	423 31/2015 SPK value 1.000 1.000 3.000	F SPK Ref Val 0 0 0 0 0	RunNo: 2 SeqNo: 7 %REC 119 110 110 108	5192 44994 LowLimit 76.6 75 79.5 78.8	Units: mg/H HighLimit 128 124 126 124	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	LCSS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.10	423 31/2015 SPK value 1.000 1.000 3.000 1.000	F S SPK Ref Val 0 0 0 0 0	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108	5192 44994 LowLimit 76.6 75 79.5 78.8 80	Units: mg/P HighLimit 128 124 126 124 120	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	LCSS 3/30/2015 tofluorobenzene MB-18423	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.10	423 31/2015 SPK value 1.000 1.000 3.000 1.000 3.000	F SPK Ref Val 0 0 0 0 0 Tes	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 tCode: E	5192 44994 LowLimit 76.6 75 79.5 78.8 80 PA Method	Units: mg/k HighLimit 128 124 126 124 120 8021B: Vola	Kg %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID:	LCSS 3/30/2015 nofluorobenzene MB-18423 PBS	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp Batc	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.10 Type: ME h ID: 18	423 31/2015 SPK value 1.000 1.000 1.000 3.000 1.000 3LK 423	F SPK Ref Val 0 0 0 0 0 Tes F	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 tCode: El RunNo: 2	5192 44994 LowLimit 76.6 75 79.5 78.8 80 PA Method 5192	Units: mg/H HighLimit 128 124 126 124 120 8021B: Vola	Kg %RPD tiles	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date:	LCSS 3/30/2015 nofluorobenzene MB-18423 PBS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp Batc Analysis I	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.10 Type: ME h ID: 18 Date: 3/	423 31/2015 SPK value 1.000 1.000 3.000 1.000 3LK 423 31/2015	F SPK Ref Val 0 0 0 0 0 0 Tes F S	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 108 tCode: El RunNo: 2 SeqNo: 7	5192 44994 LowLimit 76.6 75 79.5 78.8 80 PA Method 5192 44995	Units: mg/k HighLimit 128 124 126 124 120 8021B: Vola Units: mg/k	Kg %RPD tiles	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte	LCSS 3/30/2015 nofluorobenzene MB-18423 PBS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp Batc Analysis I Result	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.050 0.10 Type: ME h ID: 18 Date: 3/ PQL	423 31/2015 SPK value 1.000 1.000 3.000 1.000 3LK 423 31/2015 SPK value	F SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 tCode: El RunNo: 2 SeqNo: 7 %REC	5192 44994 LowLimit 76.6 75 79.5 78.8 80 PA Method 5192 44995 LowLimit	Units: mg/H HighLimit 128 124 126 124 120 8021B: Vola Units: mg/H HighLimit	Kg %RPD tiles Kg %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene	LCSS 3/30/2015 hofluorobenzene MB-18423 PBS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp Batc Analysis I Result ND	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.10 Type: ME h ID: 18 Date: 3/ PQL 0.050	423 31/2015 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 3LK 423 31/2015 SPK value	F SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 tCode: El RunNo: 2 SeqNo: 7 %REC	5192 44994 LowLimit 76.6 75 79.5 78.8 80 PA Method 5192 44995 LowLimit	Units: mg/H HighLimit 128 124 126 124 120 8021B: Vola Units: mg/H HighLimit	(g %RPD tiles (g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene Toluene	LCSS 3/30/2015 nofluorobenzene MB-18423 PBS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp Batc Analysis I Result ND ND	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.050 0.10 Type: ME h ID: 18 Date: 3/ PQL 0.050 0.050	423 31/2015 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 3LK 423 31/2015 SPK value	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 tCode: El RunNo: 2 SeqNo: 7 %REC	5192 44994 LowLimit 76.6 75 79.5 78.8 80 PA Method 5192 44995 LowLimit	Units: mg/H HighLimit 128 124 126 124 120 8021B: Vola Units: mg/H HighLimit	(g %RPD tiles (g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	LCSS 3/30/2015 nofluorobenzene MB-18423 PBS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp Batc Analysis I Result ND ND ND	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.050 0.10 Type: ME h ID: 18 Date: 3/ PQL 0.050 0.050 0.050	423 31/2015 SPK value 1.000 1.000 3.000 1.000 3LK 423 31/2015 SPK value	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 tCode: El RunNo: 2 SeqNo: 7 %REC	5192 44994 LowLimit 76.6 79.5 78.8 80 PA Method 5192 44995 LowLimit	Units: mg/H HighLimit 128 124 126 124 120 8021B: Vola Units: mg/H HighLimit	(g %RPD tiles (g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	LCSS 3/30/2015 nofluorobenzene MB-18423 PBS 3/30/2015	Batc Analysis I Result 1.2 1.1 1.1 3.2 1.1 Samp Batc Analysis I Result ND ND ND ND	h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.050 0.10 Type: ME h ID: 18 Date: 3/ PQL 0.050 0.050 0.050 0.050 0.050	423 31/2015 SPK value 1.000 1.000 3.000 1.000 3LK 423 31/2015 SPK value	F SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val	RunNo: 2 SeqNo: 7 %REC 119 110 110 108 108 tCode: El RunNo: 2 SeqNo: 7 %REC	5192 44994 LowLimit 76.6 79.5 78.8 80 PA Method 5192 44995 LowLimit	Units: mg/H HighLimit 128 124 126 124 120 8021B: Vola Units: mg/H HighLimit	(g %RPD tiles (g %RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

WO#: 1503D25

10-Apr-15

Page 7 of 7

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albug TEL: 505-345-3975 F Website: www.hall	(kalysis l 4901 H querque, FAX: 505 lenvtroni	aboratory owkins NF. NM 87109 -345-4107 nental.com	San	nple Log-In Check List
Client Name: WILLIAMS FIELD SERVI	Work Order Number	1503D2	5		ReptNo: 1
Received by/date: AF	03/28/15				
Logged By: Celina Sessa 3/2	8/2015 10:30:00 AM		a	lim ;	Sma
Completed By: Celina Sessa 3/3	0/2015 8:45:32 AM		0	lin	Som
Reviewed By:	3 30 15				
Chain of Custody	1-110				
1. Custody seals intact on sample bottles?		Yes [3	No 🗌	Not Present
2. Is Chain of Custody complete?		Yes 5	2	No 🗌	Not Present
3. How was the sample delivered?		Courie			
Log In					
4. Was an attempt made to cool the samples?		Yes		No 🗆	
5. Were all samples received at a temperature of	>0° C to 6.0°C	Yes M	1	No 🗆	
6. Sample(s) in proper container(s)?		Yes		No 🗆	
7. Sufficient sample volume for indicated test(s)?		Yes a	2	No 🗌	
8. Are samples (except VOA and ONG) properly pr	reserved?	Yes a	2	No 🗌	
9. Was preservative added to bottles?		Yes [כ	No 🗹	NA 🗆
10. VOA vials have zero headspace?		Yes [No 🗆	No VOA Vials
11. Were any sample containers received broken?		Yes [No 🗹	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 8	2	No 🗆	botties checked for pH: (<2 or >12 unless not
13. Are matrices correctly identified on Chain of Cus	stody?	Yes a	8	No 🗌	Adjusted?
14, Is it clear what analyses were requested?		Yes 5	2	No 🗌	and the state of the
15. Were all holding times able to be met?		Yes 5	0	No 🗆	Checked by:
(if no, notify customer for authorization.)					
Special Handling (if applicable)					
16. Was client notified of all discrepancies with this	order?	Yes [No 🗆	NA 🗹
Person Notified: By Whom: Regarding: Client Instructions:	Date Via:] eMail	Phon	e 🗌 Fax	In Person
17. Additional remarks:					
18. <u>Cooler Information</u>	Intert Post No. . C	and Date		nad Du	1
Cooler No Temp*C Condition Seal	muact Sear No S	eal Dati	1 510	HEU DY	-

-	of-C	ustody Record	Turn-Around	Time:				I	AL	Ш		IRO	Z	ME	ITAL	
			D Standard	C Rust		Л		-	NA	X	SIS	5	BO	RA	TOR	7
			Project Name						1.www	vallen	ironm	ental.	Com			
s: 188 C		.R 4900	TRibe/	CULA	1000-4P		4901	lawki	IS NE	- Alb	Inquer	due, 1	NM 8	7109		
NW	2	87413	Project #:				Tel. 5	05-34	5-397	5	ax 5	05-34	5-410	1		
1 -215-7	2	433								Analy	sis R	eque	st			
Kelser.ch	3	risti autor Quillins co	Project Mana	iger:		((O)	_	-		(*0	-	1			-
	U	1 Level 4 (Full Validation)	Kelser	che' ch'	und en	1208) s	10 SED)		(SMI	(9141	bO4,50	bCB,a	_			
			Sampler: Mo	ingan Ki	l'ou	BW3	Hal	(1.	(1.	2.0/2	^z ON	2808		_	_	(N
D Other	P		On Ice:	文 Yes	O No	ť +.	В0 +	81	t09	50	" [©] C	1/5	(40		_	01
			Sample Tem	perature:	2.1	38	(GI	Þ Þ	g po	io c	N'I	ide:	00-	6		2
Matrix		Sample Request ID	Container Type and #	Preservative Type	HEAL NO. (503D25	BTEX + MF	TPH 8015B	TPH (Metho	EDB (Metho	RCRA 8 Me	D,7) anoinA	ov) 8081 Pestic	ime2) 0728	Ch loud		Air Bubbles
Soil		Tribel C-11A Well COMPSite	1-402	- 1001	100-	×	×	×						×		
Soil		Tribel 6-119 30 Hom compsite	20H-1	Caul	20.0-	\times	*	×						\times		
	-									-		+	_		_	+
	-						-		-		1	+	-		-	+
	-											-	_			-+-
	-						-								-	-
	-															
Relinquished	hed	W Man	Received by:	· libeta	Date Time 3/21/1~1770	Rema	irks:		-						-	-
Relinquished	ě	d by:	Received by:	a vanna	Date Time											
VM11-	-	ti. In la lan	~ and	11	3/28/14 11:20											
1.000	A 🔅			and laborated												

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

OIL CONS, DIV DIST, 3

Form C-141 Revised August 8, 2011 JAN 1 2 2016

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: Kelsey Christiansen		
Address: 188 CR 4900, Bloomfield, NM 87413	Telephone No.: (505) 632-460)6	
Facility Name: Trunk Q Pipeline	Facility Type: Pipeline		
Surface Owner: Bureau of Land Management Mineral	Owner	API No.	

Surface Owner: Bureau of Land Management Mineral Owner

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	29	26N	8W					Rio Arriba

Latitude 36.46036° N Longitude -107.70329° W

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 270 MCF Natural Gas	Volume Recovered: 0 MCF Natural gas
Source of Release: Pinhole	Date and Hour of Occurrence: Estimated 09/30/15 at 10:00 AM	Date and Hour of Discovery: 09/30/15 at 10:00 AM MST
Was Immediate Notice Given?	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.
If a Watercourse was Impacted, Describe Fully.*		
Not Applicable		
Describe Cause of Problem and Remedial Action Taken.*		
On September 30, 2015 Williams personnel discovered a suspected pinhol repairs and excavation was complete the gas loss was calculated to be app insure cleanup standards are met and are attached, along with a site specific	e leak on the Trunk Q Pipeline which roximately 270 MCF natural gas. Cor c ranking sheet.	caused the release of natural gas. Once afirmation soil samples were collected to
Describe Area Affected and Cleanup Action Taken.* Complete excavation of the impacted soil took place utilizing confirmation I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate	on soil samples of the sidewalls and the best of my knowledge and understa ptifications and perform corrective ac NMOCD marked as "Final Report" contamination that pose a threat to g	he base of the excavation. and that pursuant to NMOCD rules and tions for releases which may endanger does not relieve the operator of liability round water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report do federal, state, or local laws and/or regulations.	bes not relieve the operator of response	sibility for compliance with any other
Kelang Christian Signature:	OIL CONSERV	VATION DIVISION
Printed Name: Kelsey Christiansen	Ucros	e us
Title: Environmental Specialist	Approval Date: 120200	Expiration Date:
E-mail Address: kelsey.christiansen@williams.com	Conditions of Approval:	Attached
Date: 10/14/15 Phone: (505) 632-4606		
Attach Additional Sheets If Necessary	NCS 1531327951	



		TRUNK Q	PIPELINE RELEASE	
Ranking Criteria	Ranking Score	Site-Based Ranking Score	Basis for Determination	Data Sources
Depth to Groundwater				
<50 feet	20		Pit Remediation and Closure Report for the	NMOCD Online dadabase,
50-99 feet	10	0	Newsom #14 wellsite located 200 feet north of the	Google Earth, and Visual
>100 feet	0		location	Inspection
Wallhead Drotaction Area				
<1,00 feet from water source, or <200 feet from private domestic water	Yes = 20		No water source or recorded water wells within	
source	No = 0	0	1,000 feet radius of location. No private domestic water source within 200 feet radius of location.	Earth, and Visual Inspection
Distance to Surface Water Body				
<200 horizontal feet	20			
200 - 1,000 horizontal feet	10	10	Unnamed, ephemeral wash located 540 southeast	Google Earth and Visual
>1,000 horizontal feet	0		of the release location	Inspection
Site Based Total Ranking Sc	ore	10		



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

October 09, 2015

Kelsey Christiansen Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: (505) 632-4442 FAX

OrderNo.: 1510105

RE: Trunk Q Line Leak

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/2/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1510105	

Date Reported: 10/9/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services Client Sample ID: Trunk Q Line Leak Sidewall Co Project: Trunk Q Line Leak Collection Date: 10/1/2015 2:55:00 PM 1510105-001 Lab ID: Matrix: SOIL Received Date: 10/2/2015 8:00:00 AM . . -DI -----..... --

	Q.	di Chito	21	Dute Mulijzeu	Dutten
				Analyst	LGT
220	30	mg/Kg	20	10/7/2015 4:44:22 PM	21726
GE ORGANIC	S			Analyst	KJH
ND	9.9	mg/Kg	1	10/8/2015 3:08:52 AM	21643
102	57.9-140	%REC	1	10/8/2015 3:08:52 AM	21643
IGE				Analyst	NSB
ND	4.7	mg/Kg	1	10/6/2015 9:08:47 PM	21666
89.5	75.4-113	%REC	1	10/6/2015 9:08:47 PM	21666
				Analyst	NSB
ND	0.047	mg/Kg	1	10/6/2015 9:08:47 PM	21666
ND	0.047	mg/Kg	1	10/6/2015 9:08:47 PM	21666
ND	0.047	mg/Kg	1	10/6/2015 9:08:47 PM	21666
ND	0.094	mg/Kg	1	10/6/2015 9:08:47 PM	21666
108	80-120	%REC	1	10/6/2015 9:08:47 PM	21666
	220 SE ORGANIC ND 102 IGE ND 89.5 ND ND ND ND ND 108	220 30 SE ORGANICS ND 9.9 102 57.9-140 IGE ND 4.7 89.5 75.4-113 ND 0.047 ND 0.047	220 30 mg/Kg SE ORGANICS ND 9.9 mg/Kg 102 57.9-140 %REC IGE ND 4.7 mg/Kg 89.5 75.4-113 %REC ND 0.047 mg/Kg ND 0.094 mg/Kg 108 80-120 %REC	220 30 mg/Kg 20 SE ORGANICS ND 9.9 mg/Kg 1 102 57.9-140 %REC 1 IGE ND 4.7 mg/Kg 1 ND 4.7 mg/Kg 1 ND 0.047 mg/Kg 1 ND 0.094 mg/Kg 1 ND 0.094 mg/Kg 1 108 80-120 %REC 1	Analyst 220 30 mg/Kg 20 10/7/2015 4:44:22 PM SE ORGANICS Analyst ND 9.9 mg/Kg 1 10/8/2015 3:08:52 AM 102 57.9-140 %REC 1 10/8/2015 3:08:52 AM IGE Analyst ND 4.7 mg/Kg 1 10/6/2015 9:08:47 PM 89.5 75.4-113 %REC 1 10/6/2015 9:08:47 PM MD 0.047 mg/Kg 1 10/6/2015 9:08:47 PM ND 0.047 mg/Kg 1 10/6/2015 9:08:47 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank	
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range		
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Dage 1 of	
	ND	Not Detected at the Reporting Limit	Р	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				

CLIENT: Project: Lab ID:	Williams Field Services Trunk Q Line Leak 1510105-002	Matrix:	SOIL	Client Samp Collection Received	le ID: Tr Date: 10 Date: 10	unk Q Line Leak Botto /1/2015 2:50:00 PM /2/2015 8:00:00 AM	m Com
Analyses	State of the	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	LGT
Chloride		150	30	mg/Kg	20	10/7/2015 4:56:48 PM	21726
EPA MET	HOD 8015M/D: DIESEL RAM	GE ORGANIC	s			Analyst	KJH
Diesel Ra	ange Organics (DRO)	210	10	mg/Kg	1	10/8/2015 3:36:06 AM	21643
Surr: DNOP		98.6	57.9-140	%REC	1	10/8/2015 3:36:06 AM	21643
EPA MET	HOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline	Range Organics (GRO)	510	240	mg/Kg	50	10/6/2015 9:31:52 PM	21666
Surr: E	BFB	102	75.4-113	%REC	50	10/6/2015 9:31:52 PM	21666
EPA MET	HOD 8021B: VOLATILES					Analyst	NSB
Benzene		6.7	2.4	mg/Kg	50	10/6/2015 9:31:52 PM	21666
Toluene		32	2.4	mg/Kg	50	10/6/2015 9:31:52 PM	21666
Ethylben	zene	4.9	2.4	mg/Kg	50	10/6/2015 9:31:52 PM	21666
Xylenes,	Total	43	4.7	mg/Kg	50	10/6/2015 9:31:52 PM	21666
Surr: 4	-Bromofluorobenzene	113	80-120	%REC	50	10/6/2015 9:31:52 PM	21666

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range		
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 2 of 6	
	ND	Not Detected at the Reporting Limit	Р	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				

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1510105 Date Reported: 10/9/2015

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510105 09-Oct-15

Client: Project:	Willian Trunk	ms Field Services Q Line Leak							
Sample ID	MB-21726	SampType: MB	LK	Tes	tCode: EPA Metho	d 300.0: Anion	s		4
Client ID:	PBS	Batch ID: 217	26	F	RunNo: 29393				
Prep Date:	10/7/2015	Analysis Date: 10/	7/2015	S	SeqNo: 894029	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimi	t HighLimit	%RPD	RPDLimit	Qual
Chloride	C. S. S.	ND 1.5							2.39
Sample ID	LCS-21726	SampType: LCS	3	Tes	tCode: EPA Metho	d 300.0: Anion	s		
Client ID:	LCSS	Batch ID: 217	26	F	RunNo: 29393				
Prep Date:	10/7/2015	Analysis Date: 10/	7/2015	S	SeqNo: 894030	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC LowLimi	t HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	91.3 90	0 110	1.1	12010	

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

Page 3 of 6

-				
Hall	Environmental	Analysis	Laboratory,	Inc.

WO#: 1510105

09-Oct-15

Client: Willia Project: Trunk	ams Field Services c Q Line Leak
Sample ID MB-21652	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21652 RunNo: 29273
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo: 890900 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	7.9 10.00 78.7 57.9 140
Sample ID LCS-21652	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21652 RunNo: 29273
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo: 890901 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.7 5.000 94.7 57.9 140
Sample ID MB-21643	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21643 RunNo: 29273
Prep Date: 10/2/2015	Analysis Date: 10/7/2015 SeqNo: 894135 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10
Surr: DNOP	10 10.00 104 57.9 140
Sample ID LCS-21643	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21643 RunNo: 29273
Prep Date: 10/2/2015	Analysis Date: 10/7/2015 SeqNo: 894136 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
iesel Range Organics (DRO)	44 10 50.00 0 88.9 57.4 139
Surr: DNOP	4.8 5.000 95.7 57.9 140
Sample ID MB-21737	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21737 RunNo: 29273
Prep Date: 10/8/2015	Analysis Date: 10/8/2015 SeqNo: 894229 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.9 10.00 98.6 57.9 140
Sample ID LCS-21737	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21737 RunNo: 29273
Prep Date: 10/8/2015	Analysis Date: 10/8/2015 SeqNo: 894230 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.1 5.000 103 57.9 140

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

Page 4 of 6

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1510105

09-Oct-15

Client: William Project: Trunk (ns Field Services Q Line Leak									
Sample ID MB-21666	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 21666	Runno: 29332								
Prep Date: 10/5/2015	Analysis Date: 10/6/2015	SeqNo: 892323	Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual						
Gasoline Range Organics (GRO)	ND 5.0		and and and							
Surr: BFB	870 1000	86.6 75.4	113	2						
Sample ID LCS-21666	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 21666	RunNo: 29332								
Prep Date: 10/5/2015	Analysis Date: 10/6/2015	SeqNo: 892324	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	0 103 79.6	122							
Surr: BFB	940 1000	94.1 75.4	113							

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

Page 5 of 6

Detection Limit

Hall Environmental Analysis Laboratory, Inc.

0.97

2.9

1.1

0.050

0.10

1.000

3.000

1.000

WO#: 1510105

09-Oct-15

		_									
Client: William Project: Trunk	ns Field Ser Q Line Leak	vices				-					
Sample ID MB-21666	Samp	Гуре: МІ	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 21666			RunNo: 29332							
Prep Date: 10/5/2015	Analysis [Date: 1	0/6/2015	5	SeqNo: 8	92366	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua	
Benzene	ND	0.050							1.64	1.5	
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.0		1.000	B. A.L.	103	80	120			1	
Sample ID LCS-21666	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles	1944		
Client ID: LCSS	Batc	h ID: 21	666	F	RunNo: 2	9332					
Prep Date: 10/5/2015	Analysis [Date: 1	0/6/2015	5	SeqNo: 8	92368	Units: mg/k	۲g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua	
Benzene	0.97	0.050	1.000	0	96.7	80	120				
Toluene	0.94	0.050	1.000	0	94.3	80	120				

0

0

96.8

97.2

110

80

80

80

120

120

120

Qualifiers:

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

- * 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

Page 6 of 6

HALL Hail Environmental ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345- Website: ww	ental Analysis Labor 4901 Hawki Albuquerque, NM 8 3975 FAX: 505-345- w hallenvironmenta	ratory ns NE 87109 Sam -4107 L.com	ple Log-In Cl	neck List
Client Name: WILLIAMS FIELD SERVI Work Order Num	nber. 1510105		RopiNo	1
Received by/date: JA 10/02/15				
Logged By: Lindsay Mangin 10/2/2015 8:00:00	AM	d ythe		
Completed By: Lindsay Mangin 10/5/2015 8:17:04	AM	of yill go		
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° C to 6.0°C	Yes 🗹	No T	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 Viais	
11. Were any sample containers received broken?	Yes 🗆	No 🗹	# of preserved	
12. Does paperwork match bottle labels?	Yes 🗹	No 🗆	for pH:	>12 unless note
(Note discrepancies on chain of custody)	Vac M	No 🗍	Adjusted?	
1.4. Is it clear what analyses were requested?	Yes V	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	te			
By Whom: Vis	: eMail	Phone 🗌 Fax	In Person	
Regarding. Client Instructions:		and the second second		
17. Additional remarks:				
18. Cooler Information				
Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By		

Page 1 of 1

IENTAI	RATORY		109	Sector Sector				()	or h	יוגו	A bubles	X	4			-	
12	. O	E	M 87	4107		1			(4	01-1	m92) 0728						
C	N N	tal.co	e, Ni	345-	uest					(A	OV) 80828						
Ē		men	nbia	505-	Req	1	LCB's	2808	8/8	epp	ottee9 1808						
1	HS	/iron	nbno	Fax	ysis	(*0	PO4,SI	NOS	1"EC	N'K	D,7) anoinA						
L	18	lien	- All		Anal				1	slete	M 8 AADA						
-	Ī	w.he	NE	3975			(SMIS	5 02	82	0 0	7£8) a'HA9						
1	Z	WW	kins	145-3	낙			()	.40	g po	EDB (Meth						
_			Haw	505-3		150		()	.81	t po	TPH (Metho					-	
			901	Tel. 5		(0)	IMH OS	10/	OF		92108 H9T	X	X	•		- isi	
			4	-		(vin	0 200)	Hd	1+	38.	BTEX + MT		-		-	mar	
		-	-			(1	.208) a	T	± +	38:	PM + XATA	1	X			Å	-
		UC LCAK				icuben	T	O No	01	HEAL NO.	100-	- CUJ			Pate Time	Date Time	
Time:		::	@ hine			ager.	christi	Sty For	X Yes	perature: /	Preservativ Type	Cont	C00			Kiley	
Turn-Around	Z Standard	Project Nam	TRUNK	Project #:		Project Mana	Keley	Sampler: Ku	On Ice:	Sample Tem	Container Type and #	202-1	204-1			Received by:	Received by:
stody Record		CR4900	×1428 ×1	-7433	. Christiansen Quillion. Co	C Level 4 (Full Validation)		ar		Sample Request ID	TRYAK & INCLEAR	TRUNK & INVELONK			and he &	ed by:	
-of-Cu			188	icl n	-215	Kelser			Dothe		Matrix	502	1 jos			Relinquish	Relinquish
hain	UFS		Address	DOME	#.505	r Fax#:	Package: dard	tation	AP	(Type).	Time	2:55	2:50	2		Time .	Time:
0	Client:		Mailing	Ble	Phone	email o	QA/QC	Accred	D NEL	DD	Date	2/1/15	11/15	a		Date: 0-1-15	Date:

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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

OIL CONS. DIV DIST. 3

JAN 1 2 2016

Form C-141 Revised August 8, 2011

D

Submit 1 Copy to appropriate District Office in

1000 Rio Brazo District IV 1220 S. St. Fra	os Road, Azte ncis Dr., Sant	ec, NM 87410 ta Fe, NM 87505	;	1220 Sa	South anta Fe	St. Franc NM 875	is Dr. 05		accordance with 19.15.29 N					
			Rel	ease Notific	cation	and Co	rrective A	ctio	on					
						OPERAT	TOR		🗌 Initi	al Report		Final Repor		
Name of C	ompany: V	Villiams Four	Corners	LLC	(Contact: Ke	lsey Christianse	en	- DI P					
Address: 1	88 CR 490	0, Bloomfiel	d, NM 8	37413	Γ	Telephone N	No.: (505) 632-4	1606	10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		1			
Facility Na	me: 31-6 #	49 Pipeline			F	Facility Typ	e: Pipeline	-	-	the state	-			
Surface Ov	vner: Bure	au of Land M	lanageme	ent Mineral C	Owner				API No).				
				LOCA	ATION	OF REI	LEASE							
Unit Letter H	Section 5	Township 30N	Range 6W	Feet from the	North/S	South Line	e Feet from the East/West Line County Rio Arriba							
				Latitude 36.84	391° N	Longitude	-107.48028° W	N						
				NAT	TIRE	OF RELI	TASE							
Type of Rel	ease: Natura	al Gas		na i	UNL	Volume of	Release: 80.5 M	CF	Volume I	Recovered: (MCF	Natural gas		
.,,,					and all	Natural Ga	S							
Source of R	elease: Pinh	ole				Date and H	our of Occurrenc	ce:	Date and	Hour of Dis	Covery			
Was Immed	iate Notice	Given?				If YES, To	Whom?	0 PM	09/30/13	at 01:00 PM	11/151			
			Yes [No 🛛 Not R	equired									
By Whom?					17 25	Date and H	our:				181.			
Was a Wate	rcourse Rea	ched?	Ves X	1 No		If YES, Vo	lume Impacting t	the W	atercourse.					
IC - Weterer			L. D. Ile		-			-		_				
Describe Ca On Septemb repairs and c insure clean	use of Prob er 30, 2015 excavation v up standards	lem and Reme Williams pers was complete the s are met and a	dial Actio onnel disc he gas los re attache	n Taken.* covered a suspecte s was calculated t d.	ed pinhole o be appr	e leak on the oximately 80	31-6 #49 Pipelin 0.5 MCF natural g	e whi gas. C	ch caused the Confirmation s	release of n soil samples	atural were c	gas. Once ollected to		
Describe Ar	ea Affected	and Cleanup A	Action Tal	cen.*				-		11.4				
Complete of	excavation of	of the impacted	l soil will	take place utilizin	ng confirn	nation soil sa	mples of the side	walls	and the base	of the excav	ation.			
I hereby cert regulations a public health should their or the enviro federal, state	ify that the all operators or the envi- operations lonment. In a e, or local la	information gi are required to ironment. The have failed to a addition, NMC ws and/or regu	ven above o report an acceptane adequately OCD accept alations.	e is true and comp nd/or file certain r ce of a C-141 report v investigate and r otance of a C-141	elete to the release no ort by the remediate report do	e best of my tifications ar NMOCD m contaminati es not reliev	knowledge and u ad perform correc arked as "Final R on that pose a thr e the operator of	inders ctive a ceport reat to respo	stand that purs actions for rel " does not rel ground wate nsibility for c	suant to NM eases which ieve the ope r, surface wa ompliance v	OCD r may en rator of ater, hu with any	ules and ndanger f liability man health y other		
							OIL CON	SER	VATION	DIVISIO	DN			
de	havy C.	histian	-		A	approved by	Environmental S	pecia	list:	~				
Printed Nam	e: Kelsey C	Christiansen				- Uarouse Les								
Title: Enviro	onmental Sp	ecialist			A	approval Dat	e: 1201201	Q	Expiration Date:					
E-mail Add	ess: kelsey.	christiansen@	williams.c	com	C	Conditions of	Approval:			Attached				
Date: 10/29/	15	Phon	ie: (505) 6	32-4606					12.14	1 1 2 3				
Attach Add	itional She	ets If Necess	ary		(NCSIE	3132864	12						



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

October 23, 2015

Kelsey Christiansen Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: (505) 632-4442 FAX

OrderNo.: 1510859

Dear Kelsey Christiansen:

RE: SJ 31-6 #49G Line Leak

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/16/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1510859	

Lab 01001 1510055

Date	Reported:	10/23/2015
------	-----------	------------

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field ServicesClient Sample ID: SJ 31-6 #49G Wall CompositeProject:SJ 31-6 #49G Line LeakCollection Date: 10/13/2015 11:50:00 AMLab ID:1510859-001Matrix: SOILReceived Date: 10/16/2015 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	58	30	mg/Kg	20	10/21/2015 10:05:44	PM 21966
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analy	st: DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/21/2015 6:05:06 A	M 21902
Surr: BFB	103	70-130	%REC	1	10/21/2015 6:05:06 A	M 21902
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS	;			Analy	st: KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	10/20/2015 11:54:33	PM 21912
Surr: DNOP	98.9	70-130	%REC	1	10/20/2015 11:54:33	PM 21912
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analy	st: DJF
Benzene	ND	0.049	mg/Kg	1	10/21/2015 6:05:06 A	M 21902
Toluene	ND	0.049	mg/Kg	1	10/21/2015 6:05:06 A	M 21902
Ethylbenzene	ND	0.049	mg/Kg	1	10/21/2015 6:05:06 A	M 21902
Xylenes, Total	ND	0.099	mg/Kg	1	10/21/2015 6:05:06 A	M 21902
Surr: 1,2-Dichloroethane-d4	94.4	70-130	%REC	1	10/21/2015 6:05:06 A	M 21902
Surr: 4-Bromofluorobenzene	97.6	70-130	%REC	1	10/21/2015 6:05:06 A	M 21902
Surr: Dibromofluoromethane	110	70-130	%REC	1	10/21/2015 6:05:06 A	M 21902
Surr: Toluene-d8	93.9	70-130	%REC	1	10/21/2015 6:05:06 A	M 21902

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	B Analyte detected in the associated Method Bla				
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range				
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page				
	ND	Not Detected at the Reporting Limit		Sample pH Not In Range	rage 1010			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit				
	S	% Recovery outside of range due to dilution or matrix						

Analytical Report Lab Order 1510859

Hall Environmental Analysis Laboratory, Inc.

-

Date Reported: 10/23/2015

EPA MET	HOD 300 0: ANIONS					Analy	st IGT
Analyses	and the second	Result	RL	Qual	Units	DF Date Analyzed	Batch
Lab ID:	1510859-002	Matrix:	SOIL		Received	Date: 10/16/2015 7:15:00 AM	Л
Project:	SJ 31-6 #49G Line Leak				Collection	Date: 10/13/2015 12:15:00 P	М
CLIENT:	Williams Field Services			C	lient Samp	le ID: SJ 31-6 #49G Bottom	Composite

EPA WETHOD 300.0. ANIONS					Analyst.	LGI
Chloride	86	30	mg/Kg	20	10/21/2015 10:42:58 PM	21966
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/21/2015 6:32:33 AM	21902
Surr: BFB	98.6	70-130	%REC	1	10/21/2015 6:32:33 AM	21902
EPA METHOD 8015M/D: DIESEL RAM	GE ORGANICS	6			Analyst:	KJH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	10/21/2015 12:15:46 AM	21912
Surr: DNOP	97.4	70-130	%REC	1	10/21/2015 12:15:46 AM	21912
EPA METHOD 8260B: VOLATILES SH	HORT LIST				Analyst:	DJF
Benzene	ND	0.049	mg/Kg	1	10/21/2015 6:32:33 AM	21902
Toluene	ND	0.049	mg/Kg	1	10/21/2015 6:32:33 AM	21902
Ethylbenzene	ND	0.049	mg/Kg	1	10/21/2015 6:32:33 AM	21902
Xylenes, Total	ND	0.098	mg/Kg	1	10/21/2015 6:32:33 AM	21902
Surr: 1,2-Dichloroethane-d4	98.1	70-130	%REC	1	10/21/2015 6:32:33 AM	21902
Surr: 4-Bromofluorobenzene	94.8	70-130	%REC	1	10/21/2015 6:32:33 AM	21902
Surr: Dibromofluoromethane	115	70-130	%REC	1	10/21/2015 6:32:33 AM	21902
Surr: Toluene-d8	93.5	70-130	%REC	1	10/21/2015 6:32:33 AM	21902

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

and the second second					
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 2 of 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 age 2 01 0
	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.

WO#: 1510859

23-Oct-15

Client: Project:	William SJ 31-6	ns Field Servi 5 #49G Line L	ces eak								
Sample ID Client ID: Prep Date:	MB-21966 PBS 10/21/2015	SampTy Batch Analysis Da	pe: Mi ID: 21 te: 1	BLK 966 0/21/2015	Tes F SPK Pof Val	tCode: 1 RunNo: SeqNo:	EPA Method 29719 905153	300.0: Anion Units: mg/P	s (g %PPD	PPDI imit	Qual
Chloride	Salar.	ND	1.5	SFR Value	SFK Rei Val	70REC	, LOWLINII	HighLinit	70KPD	REDLINIL	Qual
Sample ID Client ID: Prep Date:	LCS-21966 LCSS 10/21/2015	SampTy Batch Analysis Da	pe: LC ID: 21 te: 1	S 966 0/21/2015	Tes F S	tCode: RunNo: SegNo:	EPA Method 29719 905154	300.0: Anion Units: mg/F	is (g		
Analyte Chloride		Result 14	PQL 1.5	SPK value 15.00	SPK Ref Val 0	%REC 90.8	LowLimit 90	HighLimit 110	%RPD	RPDLimit	Qual

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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510859

23-Oct-15

Client: Project:	Willian SJ 31-6	ns Field Ser #49G Line	vices Leak						3			
Sample ID M	B-21912	Samp ⁻ Batc	Type: M	BLK	Tes	stCode: E	PA Method	8015M/D: Di	esel Rang	e Organics		
Prep Date: 1	10/19/2015	Analysis [Date: 1	0/20/2015	CDK Dof Val	SeqNo: 9	03701	Units: mg/l	⟨g	DDD1 imit	Qual	
Diesel Range Orga Surr: DNOP	anics (DRO)	ND 10	10 PQL	5PK value 10.00	SPK Ref Val	%REC	LowLimit 70	HighLimit	%RPD	RPDLIMI	Quai	2
Sample ID LC Client ID: LC Prep Date: 1	CS-21912 CSS 10/19/2015	Samp Batc Analysis I	Гуре: L(h ID: 21 Date: 1	CS 1912 0/20/2015	Tes	stCode: E RunNo: 2 SeaNo: 9	PA Method 9662 03702	8015M/D: Di	esel Rang	e Organics		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	50	10	50.00	0	99.8	57.4	139		ALC: NOT THE REAL OF		
Surr: DNOP	4.9		5.000		97.7	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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510859

23-Oct-15

Client: Project: Williams Field Services SJ 31-6 #49G Line Leak

Sample ID mb-21902	Samp	Гуре: М	BLK	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List					
Client ID: PBS	Batc	h ID: 21	902	F	RunNo: 29670									
Prep Date: 10/19/2015	Analysis [Date: 1	0/21/2015	S	SeqNo: 9	03964	Units: mg/M							
Analyte	Result	PQL SPK value		SPK Ref Val	%REC	LowLimit	HighLimit %RPD		RPDLimit	Qual				
Benzene	ND	0.050							1996					
Toluene	ND	0.050												
Ethylbenzene	ND	0.050												
(ylenes, Total	ND	0.10												
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.3	70	130							
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.1	70	130							
Surr: Dibromofluoromethane	0.57		0.5000		115	70	130							
our. Diorononononononaliane														
Surr: Toluene-d8	0.45		0.5000		89.6	70	130							
Surr: Toluene-d8	0.45 Samp ⁻¹	Type: LC	0.5000	Tes	89.6 tCode: El	70 PA Method	130 8260B: Volat	tiles Short	List	-				
Sample ID Ics-21902 Client ID: LCSS	0.45 SampT Batc	Type: LC	0.5000 S 902	Tes	89.6 tCode: El RunNo: 2	70 PA Method 9670	130 8260B: Volat	tiles Short	List					
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015	0.45 Samp Batc Analysis I	Type: LC h ID: 21 Date: 10	0.5000 S 902 0/21/2015	Tes F S	89.6 tCode: El RunNo: 2 SeqNo: 9	70 PA Method 9670 03965	130 8260B: Volat Units: mg/K	tiles Short	List					
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte	0.45 Samp ^T Batc Analysis I Result	Type: LC h ID: 21 Date: 10 PQL	0.5000 S 902 0/21/2015 SPK value	Tes F S SPK Ref Val	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC	70 PA Method 9670 03965 LowLimit	130 8260B: Volat Units: mg/K HighLimit	tiles Short (g %RPD	: List RPDLimit	Qual				
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte Benzene	0.45 Samp ^T Batc Analysis I <u>Result</u> 0.96	Fype: LC h ID: 21 Date: 10 PQL 0.050	0.5000 S 902 0/21/2015 SPK value 1.000	Tes F S SPK Ref Val 0	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC 95.5	70 PA Method 9670 03965 LowLimit 70	130 8260B: Volar Units: mg/K HighLimit 130	tiles Short (g %RPD	List RPDLimit	Qual				
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte Benzene Foluene	0.45 Samp ^T Batc Analysis I Result 0.96 0.95	Type: LC h ID: 21 Date: 10 PQL 0.050 0.050	0.5000 S 902 0/21/2015 SPK value 1.000 1.000	Tes F S SPK Ref Val 0 0	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC 95.5 95.2	70 PA Method 9670 03965 LowLimit 70 70	130 8260B: Volar Units: mg/K HighLimit 130 130	tiles Short (g %RPD	List RPDLimit	Qual				
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte Benzene Foluene Ethylbenzene	0.45 SampT Batc Analysis I Result 0.96 0.95 0.97	Fype: LC h ID: 21 Date: 10 PQL 0.050 0.050 0.050	0.5000 S 902 0/21/2015 SPK value 1.000 1.000 1.000	Tes F S SPK Ref Val 0 0 0 0	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC 95.5 95.2 97.0	70 PA Method 9670 03965 LowLimit 70 70 70 70	130 8260B: Volat Units: mg/M HighLimit 130 130 130	tiles Short (g %RPD	RPDLimit	Qual				
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte Benzene foluene titylbenzene Kylenes, Total	0.45 SampT Batc Analysis I Result 0.96 0.95 0.97 2.8	Type: LC h ID: 21 Date: 10 PQL 0.050 0.050 0.050 0.050 0.050 0.10	0.5000 S 902 0/21/2015 SPK value 1.000 1.000 1.000 3.000	Tes F S SPK Ref Val 0 0 0 0 0	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC 95.5 95.2 97.0 93.8	70 PA Method 9670 03965 LowLimit 70 70 70 70 70 70	130 8260B: Volat Units: mg/k HighLimit 130 130 130 130	tiles Short (g %RPD	RPDLimit	Qual				
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte Benzene Foluene Ethylbenzene (ylenes, Total Surr: 1,2-Dichloroethane-d4	0.45 SampT Batc Analysis I Result 0.96 0.95 0.97 2.8 0.50	Type: LC h ID: 21 Date: 10 PQL 0.050 0.050 0.050 0.050 0.10	0.5000 S 902 0/21/2015 SPK value 1.000 1.000 3.000 0.5000	Tes F S SPK Ref Val 0 0 0 0 0	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC 95.5 95.2 97.0 93.8 101	70 PA Method 9670 03965 LowLimit 70 70 70 70 70 70 70	130 8260B: Volat Units: mg/k HighLimit 130 130 130 130 130	tiles Short (g %RPD	RPDLimit	Qual				
Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte Benzene Foluene Sthylbenzene Kylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	0.45 SampT Batc Analysis I Result 0.96 0.95 0.97 2.8 0.50 0.50	Type: LC h ID: 21 Date: 10 PQL 0.050 0.050 0.050 0.050 0.10	0.5000 902 0/21/2015 SPK value 1.000 1.000 3.000 0.5000 0.5000	Tes F SPK Ref Val 0 0 0 0	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC 95.5 95.2 95.2 97.0 93.8 101 99.8	70 PA Method 9670 03965 LowLimit 70 70 70 70 70 70 70 70 70	130 8260B: Volat Units: mg/k HighLimit 130 130 130 130 130 130	tiles Short (g %RPD	RPDLimit	Qual				
Surr: Toluene-d8 Sample ID Ics-21902 Client ID: LCSS Prep Date: 10/19/2015 Analyte Benzene foluene thylbenzene (ylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane	0.45 Samp ^T Batc Analysis I Result 0.96 0.97 2.8 0.50 0.50 0.50 0.57	Type: LC h ID: 21 Date: 10 PQL 0.050 0.050 0.050 0.10	0.5000 902 0/21/2015 SPK value 1.000 1.000 1.000 0.5000 0.5000 0.5000	Tes F SPK Ref Val 0 0 0 0 0	89.6 tCode: El RunNo: 2 SeqNo: 9 %REC 95.5 95.2 97.0 93.8 101 99.8 114	70 PA Method 9670 03965 LowLimit 70 70 70 70 70 70 70 70 70 70	130 8260B: Volat Units: mg/K HighLimit 130 130 130 130 130 130 130	tiles Short (g %RPD	RPDLimit	Qual				

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

Page 5 of 6

In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510859

23-Oct-15

Client: William Project: SJ 31-6	ns Field Services 5 #49G Line Leak	la constanti	
Sample ID mb-21902	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 21902	RunNo: 29670	
Prep Date: 10/19/2015	Analysis Date: 10/21/2015	SeqNo: 903982	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 520 500.0	104 70	130
Sample ID Ics-21902	SampType: LCS	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 21902	RunNo: 29670	
Prep Date: 10/19/2015	Analysis Date: 10/20/2015	SeqNo: 903983	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	22 5.0 25.00	0 87.8 70	123
Surr: BFB	520 500.0	105 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

Page 6 of 6

HALL Hall Environment ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-39 Website: www.	tal Analysis Labord 4901 Hawkin Ibuquerque, NM 8 75 FAX: 505-345 hallenvironmental	atory ss NE 7109 Sam 4107 Leom	ple Log-In Check Lis
Client Name: WILLIAMS FIELD SERVI Work Order Numb	er. 1510859		RcptNo: 1
Received by/date: JA 10/16/15			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Logged By: Anne Thome 10/16/2015 7:15:00	AM	anne Han	_
Completed By: Anne Thorne 10/19/2015		An M	
Reviewed By: Da 10/19/15		Cana 21-	the state of the
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 🗆	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	
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 🗹	# of preserved
12 Deserved wetch halfs labels?	Van M	No 🗖	botties checked
(Note discrepancies on chain of custody)	Tes L		(<2 or >12 unless n
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: Regarding:	eMail	Phone 🗌 Fax	In Person
Client Instructions:			·
17. Additional remarks:			
18. Cooler Information	Seal Data	Signed Du	
Cooler No Temp "C Condition Seal Intact. Seal No	Seal Date	Signed By	

Page 1 of 1

TAI	ORY								(N	01	2)	səlddu8 rif											port.
MEN	RAT		1109	07							7	Chlore	×	7	{		+						analytical rep
2	BC		NM 8	5-41	st	_	_	_	_	(40	-00	-ime2) 0728	-		\vdash	-	-						on the
2		lafa	ne, l	5-34	anba	-	8 00	17	2000	19		2000 (VOV	-						-	_		1	otated
5	U.		Dient	x 50	is Re	(**	00't		2011	10	NI'H			4				++-	+			1	early no
2	U.	- North	Albuc	Far	alys		15 0		UN		siete	APPENDER Me	-	-			-		+	-		12.18	l be cl
		halle		2	An	-	(SI	WIS	0/2	.8	10 0	1158) s'HA9	-				+	++		-			ata wil
	Z		IS NE	-397		-			(1.	t09	g po	EDB (Metho		-			-	++				<i>a</i> . 1	icted d
1			wkin	-345		1	-	-	(1.	81	* po	TPH (Metho	-				-						contra
-	ЪГ		1 Ha	. 505		(0)	W/	OS		oЯ	(e	86108 H9T	×	>			+						dus (r
			490	Tel		(Kju	IO SE	(G	LPH	+	BE	BTEX + MT					-				arks:		ity. Ar
						(1208	3) s,	BIAH	2+	38	BTEX + ME	X	>			-				Kem		lidisso
			We heak					NSCN	V	No		HEAL No Syonson	lap	110					·		Date Time 1 10-15-15 2:30	10/15/15/1830	This serves as notice of this p
	C Rush	ä	6# 49GL			iger:		Christian	Kc Stall	X Yes	perature 2.	Preservative Type	100	CHU N							din	alabet	coredited laboratories.
	the Standard	Project Name	5331-	Project #:		Project Mans	1-1-1	KelSey	Sampler: MI	On Ice: Ice	Sample Tem	Container Type and #	1-402	204 -1							Received by:	Received by:	contracted to other a
usiony record			CK 4900	87415	15- 7433	Aristialsen Builting . CU h		Level 4 (Full Validation)		er		Sample Request ID	53 31 6# 496 2 21 conste	5731-6 #496							ned by: 24th 6	of Killion	bmitted to Hall Environmental may be subc
20-10-1	10		s: 188	M NW	65-2	Kelser.c			ł			Matrix	Soil	1:05	për .			*			Relinquis	Pinguist	y, samples w
Indir	WFS	-	Addres	m Fich	#: 5	or Fax#:	Package	ndard	litation	AP	(Type)	Time	1150	1245							Time: 0725	Time:	If necessar
	Client:		Mailing	Bloc	Phone	email c	QAIQC	D Star	Accred	NET	DEDC	Date	10/13/15	2/13/15							0 15/15	"/ 15/15	tol. 1