# **3R-1014**

# **Release Report/ General Correspondence**

# Williams RA

# Date: Apr-Jun 2015

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

Printed Name: Kelsey Christiansen

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### OIL CONS. DIV DIST. 3

State of New Mexico Energy Minerals and Natural Resources

MAY 28 2015

API No.

Form C-141 Revised August 8, 2011

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

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

#### **Release Notification and Corrective Action**

	OPERATOR		Initial Report	$\boxtimes$	Final Report
Name of Company Williams Four Corners LLC	Contact Kelsey Christianser	ı			
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606				
Facility Name Wildhorse Compressor Station	Facility Type Compressor Static	n			

Surface Owner Jicarilla Apache Nation Mineral Owner

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	
D	27	26N	4W					Rio Arriba	

Latitude <u>36.45006° N</u> Longitude -<u>107.24430° W</u>

#### NATURE OF RELEASE

	OI ILLILIIIIIII	
Type of Release Natural Gas	Volume of Release Estimated at 174 MCF	Volume Recovered 0 MCF
Source of Release Valve	Date and Hour of Occurrence 04/07/2015, 09:00 AM MST	Date and Hour of Discovery 04/07/2015, 09:00 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	ercourse.
If a Watercourse was Impacted, Describe Fully.*		
Not Applicable		
Describe Cause of Problem and Remedial Action Taken.*		
The dump valve was discovered by Williams personnel to be left open an reportable amount of condensate. Upon discovery the valve was immedia contained within the lined secondary containment.	d resulted in the loss of approximately tely closed to prevent further gas loss.	174 MCF of natural gas and a non- Majority of the condensate liquid was
Describe Area Affected and Cleanup Action Taken.*		
No clean-up required for natural gas release. Approximately five gallons Tribe. Backfill approval was given via email to Williams on 04/30/15. At	of impacted soil was remediated in dir tached are the final soil analytical resu	rect coordination with the Jicarilla Apache lts.
I hereby certify that the information given above is true and complete to tregulations all operators are required to report and/or file certain release multiplic 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 of federal, state, or local laws and/or regulations.	the best of my knowledge and understand notifications and perform corrective action the NMOCD marked as "Final Report" of the contamination that pose a threat to g loes not relieve the operator of response	nd 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
Lelang Christian	OIL CONSERV Approved by Environmental Specialis	ATION DIVISION
Signature:		muc/
		C X N

 Title: Environmental Specialist
 Approval Date:
 Image: Conditions of Approval:
 Expiration Date:

 E-mail Address: kelsey.christiansen@williams.com
 Conditions of Approval:
 Attached
 Attached

 Date:
 05/19/2015
 Phone: 505-632-4606
 Image: Conditions of Approval:
 Attached

 \* Attach Additional Sheets If Necessary
 Image: Conditions of Approval:
 Image: Conditions of Approval:
 Image: Conditions of Approval:

#Wes 1518756338

### HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 10, 2015

1

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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

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

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#### Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Qua	l Units	DF Date Analyzed	Batch
Lab ID:	1503D25-001	Matrix: S	OIL	Received	Date: 3/28/2015 10:30:00 AM	Л
<b>Project:</b>	Tribal C-11A Clean-up			Collection	Date: 3/27/2015 11:20:00 AM	Л
CLIENT:	Williams Field Services			Client Samp	le ID: Tribal C-11A Wall Con	mposite

-		-			·	
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 RANG	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 Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	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 1017
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

#### Hall Environmental Analysis Laboratory, Inc.

**EPA METHOD 8015D: GASOLINE RANGE** 

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

**EPA METHOD 300.0: ANIONS** 

EPA METHOD 418.1: TPH

Petroleum Hydrocarbons, TR

EPA METHOD 8021B: VOLATILES

Surr: BFB

Benzene

Toluene

Chloride

Ethylbenzene

Xylenes, Total

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

3/31/2015 1:19:30 PM

4/9/2015 3:31:04 PM

3/31/2015 12:00:00 PM 18419

Analyst: NSB

Analyst: NSB

Analyst: LGT

Analyst: JME

18423

18423

18423

18423

18423

18423

18423

18493

CLIENT:	Williams Field Services			C	lient Sampl	e ID: Tri	bal C-11A Bottom Co	omposite		
Project:	Tribal C-11A Clean-up		Collection Date: 3/27/2015 11:30:00 AM Received Date: 3/28/2015 10:30:00 AM							
Lab ID:	1503D25-002	Matrix:								
Analyses		Result	RL Q	)ual	Units	DF	Date Analyzed	Batch		
EPA MET	HOD 8015D: DIESEL RANGI	E ORGANICS					Analys	t: BCN		
Diesel Ra	ange Organics (DRO)	ND	9.6		mg/Kg	1	4/1/2015 3:01:16 PM	18415		
Surr: D	DNOP	101	63.5-128		%REC	1	4/1/2015 3:01:16 PM	18415		

5.0

80-120

0.050

0.050

0.050

0.099

80-120

30

20

mg/Kg

%REC

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

mg/Kg

mg/Kg

1

1

1

1

1

1

1

20

1

ND

91.0

ND

ND

ND

ND

104

ND

ND

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 Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	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			

WO#:

1503D25 10-Apr-15

Client:	W	Illiams Field Services	6						
Project:	Tr	ibal C-11A Clean-up							
Sample ID	MB-18493	SampType:	MBLK	Test	Code: EPA Meth	od 300.0: Anion	S		
Client ID:	PBS	Batch ID:	18493	R	unNo: 25277				
Prep Date:	4/2/2015	Analysis Date:	4/2/2015	S	eqNo: 747465	Units: mg/k	g		
Analyte		Result PO	QL SPK value	SPK Ref Val	%REC LowLir	nit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID	LCS-18493	SampType	LCS	Test	Code: EPA Meth	nod 300.0: Anion	S		
Client ID:	LCSS	Batch ID:	18493	R	unNo: 25277				
Prep Date:	4/2/2015	Analysis Date:	4/2/2015	S	eqNo: 747466	Units: mg/H	(g		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLin	nit 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

Client: Project:	Willi Triba	ams Field Services al C-11A Clean-up								
Sample ID	MB-18419	SampType:	MBLK	Tes	tCode: EP	A Method	418.1: TPH			
Client ID:	PBS	Batch ID:	18419	R	unNo: 25	190				
Prep Date:	3/30/2015	Analysis Date:	3/31/2015	S	eqNo: 74	4472	Units: mg/k	(g		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	Irocarbons, TR	ND	20							
Sample ID	LCS-18419	SampType:	LCS	Tes	tCode: EP	A Method	418.1: TPH			
Client ID:	LCSS	Batch ID:	18419	F	aunNo: 25	190				
Prep Date:	3/30/2015	Analysis Date:	3/31/2015	S	SeqNo: 74	4473	Units: mg/k	(g		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	90	20 100.0	0	89.6	86.7	126			
Sample ID	LCSD-18419	SampType:	LCSD	Tes	tCode: EP	A Method	418.1: TPH			
Client ID:	LCSS02	Batch ID:	18419	F	RunNo: 25	190				
Prep Date:	3/30/2015	Analysis Date:	3/31/2015	S	SeqNo: 74	4474	Units: mg/k	(g		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyr	trocarbons 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

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1503D25 10-Apr-15

WO#:

Client:	William	s Field Service	es								
Ducient	Tribal	C 11A Clean u									
Froject.	THUAT	-TTA Clean-u	2								
Sample ID	MB-18415	SampType	e: MF	3LK	Test	Code: E	PA Method	8015D: Dies	el Range C	Organics	
Client ID:	PBS	Batch ID	): 18	415	R	unNo: 2	5210				
Prep Date:	3/30/2015	Analysis Date	: 4/	1/2015	S	eqNo: 7	45560	Units: mg/k	۲g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
Surr: DNOP		9.5		10.00		94.7	63.5	128			
Sample ID	LCS-18415	SampTyp	e: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range C	Organics	
Client ID:	LCSS	Batch ID	): 18	415	R	RunNo: 2	25210				
Prep Date:	3/30/2015	Analysis Date	e: 4/	1/2015	S	eqNo: 7	45613	Units: mg/ł	۲g		
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	67.8	130			
Surr: DNOP		5.4		5.000		108	63.5	128			
Sample ID	1503D25-001AN	IS SampTyp	e: M\$	S	Tes	tCode: E	PA Method	8015D: Dies	el Range C	Organics	
Client ID:	Tribal C-11A Wa	all C Batch ID	): 18	415	R	RunNo: 2	25210				
Prep Date:	3/30/2015	Analysis Date	e: 4/	/1/2015	S	SeqNo: 7	45615	Units: mg/l	٨g		
Analyte		Result	PQL	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			
Surr: DNOP		5.0		4.883		101	63.5	128			
Sample ID	1503D25-001AN	ISD SampTyp	e: M\$	SD	Tes	tCode: E	PA Method	8015D: Dies	el Range (	Drganics	
Client ID:	Tribal C-11A Wa	all C Batch ID	): 18	415	F	RunNo: 2	25210				
Prep Date:	3/30/2015	Analysis Date	e: 4/	/1/2015	S	SeqNo: 7	45616	Units: mg/l	Кg		
Analyte		Result	PQL	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
Surr: DNOP		6.4		4.970		129	63.5	128	0	0	S

Qualifiers:

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- 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

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10-Apr-15

WO#: 1503D25

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## Hall Environmental Analysis Laboratory, Inc.

WO#:	1503D25
	10-Apr-15

Client:	Williams	Field Ser	vices								
Project:	Tribal C-	11A Clear	n-up								
Sample ID	1503D25-001AMS	D Samp	Гуре: М	SD	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	Tribal C-11A Wall	c Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	31/2015	S	SeqNo: 7	44982	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	31	4.9	24.61	0	127	47.9	144	5.40	29.9	
Surr: BFB		990		984.3		100	80	120	0	0	
Sample ID	1503D25-001AMS	Samp	Гуре: М	S	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	Tribal C-11A Wall	c Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	/31/2015	S	SeqNo: 7	44985	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	33	4.9	24.56	0	134	47.9	144			
Surr: BFB		1000		982.3		103	80	120			
Sample ID	LCS-18423	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	е	
Client ID:	LCSS	Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	/31/2015	5	SeqNo: 7	44986	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	25	5.0	25.00	0	101	64	130			
Surr: BFB		970		1000		96.6	80	120			
Sample ID	MB-18423	Samp	Гуре: МВ	BLK	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	PBS	Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	31/2015	S	SeqNo: 7	44987	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		920		1000		92.0	80	120			

#### Qualifiers:

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

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WO#: 1503D25

10-Apr-15

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Client: Project:	Williams Tribal C-	Field Ser 11A Clear	vices n-up								
Sample ID	1503D25-002AMS	Samp	Type: MS	5	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	Tribal C-11A Botto	om Batc	h ID: 184	423	R	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	31/2015	S	SeqNo: 7	44992	Units: mg/k	۲g		
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			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	nofluorobenzene	1.1		0.9940		108	80	120			
Sample ID	1503D25-002AMS	D Samp	Туре: МS	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	Tribal C-11A Botto	om Batc	h ID: 184	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	31/2015	S	SeqNo: 7	44993	Units: mg/H	٢g		
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	nofluorobenzene	1.1		0.9940		110	80	120	0	0	
Sample ID	LCS-18423	Samp	Type: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	31/2015	5	SeqNo: 7	44994	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.2	0.050	1.000	0	119	76.6	128			
Toluene		1.1	0.050	1.000	0	110	75	124			
Ethylbenzene		1.1	0.050	1.000	0	110	79.5	126			
Xylenes, Total		3.2	0.10	3.000	0	108	78.8	124			
Surr: 4-Bron	nofluorobenzene	1.1		1.000		108	80	120			
Sample ID	MB-18423	Samp	Туре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batc	h ID: 18	423	F	RunNo: 2	5192				
Prep Date:	3/30/2015	Analysis [	Date: 3/	31/2015	S	SeqNo: 7	44995	Units: mg/l	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	1.1		1.000		107	80	120			

#### Qualifiers:

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- 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

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 503-345-3975 Website: www.hau	Analysis Laborato 4901 Howkins I guergue, NM 871 FAX, 505-345-41 lienvironmenial.co	WE 09 <b>Sam</b>   07	ole Log-In Check List
Client Name: WILLIAMS FIELD SERVI	Work Order Number	1503D25		RcptNo: 1
Received by/date: AF	03/28/15			
Logged By: Celina Sessa 3/	28/2015 10:30:00 AM	1	Celin S	men
Completed By: Celina Sessa 3/	30/2015 8:45:32 AM		Celin S	2.74
Reviewed By:	3/30/15		course /	
Chain of Custody	10110			
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		
A Was as attempt mode to cool the complex?		Voc M	No	NA
<ul> <li>was an attempt made to cool the samples?</li> </ul>		tes 💌	NO	no had
5. Were all samples received at a temperature of	>0° C to 6.0°C	Yes 🗹	No	NA
6. Sample(s) in proper container(s)?		Yes 🖌	No	
7 Cuffeiert course unteres for indicated tool/s/0		Vac II	No	
7. Sumicient sample volume for indicated test(s)?		Yes M	No	
Are samples (except VOA and ONG) property     Mos preservative added to bottles?	preserved	Yes V	No V	NA
2, Was preservative added to bottles:		163	110 22.5	
10.VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗸
11. Were any sample containers received broken?	2	Yes	No 🖌	# of preserved
12. Does paperwork match bottle labels?		Yes 🗹	No 🗌	botties checked for pH:
(Note discrepancies on chain of custody)	ated 0	Yes W	No 🗌	(<2 or >12 unless noted) Adjusted?
13. Are matrices correctly identified on Chain of Ci 14. Is it clear what analyses were requested?	Istody?	Yes	No	
15. Were all holding times able to be met?		Yes 🗹	No 🗌	Checked by:
(If no, notify customer for authorization.)				
Special Handling (if applicable)				
16. Was client notified of all discrepancies with this	s order?	Yes	No 🗌	NA 🗹
Person Notified: By Whom:	Date Via:	eMail Pr	hone 🗌 Fax	In Person
Regarding:	and a substation of the factor of the substance of the			and the second second second second second
17 Additional comortes				
17, Additional remarks:				
18. <u>Cooler Information</u> <u>Cooler No</u> <u>Temp °C</u> <u>Condition</u> <u>Seal</u> 1 2.1 <u>Good</u> <u>Yes</u>	Intact Seal No	Seal Date	Signed By	
Page 1 of 1				

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С	hain	-of-Cu	istody Record	Turn-Around	Time:								E		/TE	20		ME	<b>FA</b> I	1
Client:	W)FS			Standard	□ Rush								V	514	5 1		BO	RI	OR	Y
	010			Project Name	e:							w hal		iron	men					
Mailing	Address	108	CP 11000	TRIACI	- 11 1 -	12-11-1-2		19	01 н	awk	ine N		Alb		erau		M 87	7109		
RIN	. r.1	180	27413	Project #:	CHIAL	10en-up		-+3 Te		5 2	15.2	075		Eav	505	345	410	7		
Dicor	# SDC	NM	7432					16	a. 50	00-04	+0-0	975 A	naly	vsis	Reo	ues	t			
email o	r Fay# /	- 15-4-C	Hristianker Buillier	Project Mana	der:			y)	6					4)						
OA/OC	Package:	CDCIFC	1 3114000 190011 43.6	i roject maria	901.		121)	onl	NIN I					SO,	B's					
□ Stan	dard		Level 4 (Full Validation)	Kelser	de'elia	AS CAL	s (8(	Gas	10			IMS		PO	PC					
Accredi	itation			Sampler: Mo	rean Kill	ion	MB	HH	/ DR	=	(	S 02		40 <sub>2</sub> ,	082					5
	AP	□ Othe	er	On Ice:	Yes	□ No	H.	Г +	SO	18.	04.	82	-	O3,N	s / 8		(A)			or N
	(Type)	1		Sample Tem	perature:	2./	E	BE	C C	od 4	3 po	0 0	etals	N'IS	cide	(A	-100	a		2
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MH	3TEX + MI	<b>TPH 8015E</b>	<b>TPH</b> (Meth	EDB (Meth	PAH's (831	RCRA 8 M	Anions (F,C	3081 Pestic	3260B (VO	3270 (Sem	Ch locid		Air Bubbles
27/15	11:20	Soil	Tribel <-11A Wall COMPSite	1-402	- Cool	- 001	X		X	X	_	_						X		
27/15	11:30	Soil	Tribel C-11A Bottom compsite	1-402	1001	-002	X		X	X								Х		
			,																	
,Date: 27/15	Time:	Relinquish	ed by: Hillion	Received by:	likete	Date Time 3/27/15 1728 Date Time	Ren	nark	s:											
21/5	1754	Cinis	the Walton	and	A	3/28/15 10:30														

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.

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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

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# OIL CONS. DIV DIST. 3

MAY 28 2015

Form C-141 Revised August 8, 2011

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

State of New Mexico

Energy Minerals and Natural Resources

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

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 8750	5	S	anta Fe	e, NM 875	05			
			Rel	ease Notifi	cation	and Co	orrective A	ction		
						OPERAT	FOR		Initia	al Report 🛛 Final Report
Name of Co	ompany W	/illiams Fou	r Corners	LLC	(	Contact	Kelsey Christ	iansen		
Address	188 CR 49	00, Bloomfi	ield, NM	87413		Telephone N	No. 505-632-46	06		
Facility Nar	ne D2 La	teral			]	Facility Typ	e Pipeline			
Surface Ow	ner Jicaril	lla Apache N	Vation	Mineral (	Owner				API No	
				LOC		I OF DEI	FASE			
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/We	st Line	County
Н	12	26N	3W							Rio Arriba
				Latitude 36.50	)451° N	Longitude	e - <u>107.30341° V</u>	V		
				NAT	TURE	OF RELI	FASE			
Type of Rele	ase Natura	al Gas Release	e from pip	eline	URL	Volume of	Release 917 MC	EF V	/olume F	Recovered 0 MCF
Source of Re	lease Pinho	ole				Date and H	our of Occurrence	e I	Date and	Hour of Discovery
117 T I'		7' 0				03/31/2015	, 10:00 AM	0	3/31/201	5, 10:00 AM
Was Immedia	ate Notice (	jiven?	Ves [	No Not R	equired	If YES, To Johnathan	Whom? Kelly NMOCD			
			105		equireu	Bryce Ham	mond, Jicarilla C	il and Gas	5	
						Hobson Sa	ndoval, Jicarilla A	Apache Tri	ibe	
By Whom?	Kelsey Chr	ristiansen				Date and H	our 04/01/2015 @	@ 2:15 PM	1 MST	
Was a Water	course Read	ched?	Yes 🕅	No		If YES, Vo	lume Impacting t	he Waterc	ourse.	
If a Watanaa		neeted Deere	The Fuller	*						
II a watercou	irse was im	pacted, Desci	fibe Fully.							
Not Applicab	le									
Describe Cau	ise of Proble	em and Reme	dial Actio	n Taken.*						
While perfor	ning routin	a dutias Willi	ame On T	ach discovered ar	odor co	ming from a	sinhole leak on th	o D2 Lata	ral nineli	na. The pipeline was
immediately s	shut in and	actions were	taken to re	pair the pipeline.		innig nom a j	onnoie leak on u	ie D2 Late	rai pipen	ine. The pipeline was
Describe Are	a Affected a	and Cleanup	Action Tal	ken.*						
While repairi	ng the nine	line impacted	soil was d	iscovered Reme	diation m	easures took	place in direct co	ordination	with the	Licarilla Anache Tribe and
approval to b	ackfill was	given on 04/3	30/15. Atta	ched are the soil	analytica	l results asso	ciated with this re	elease.	i with the	stearna repactice tribe and
	0.1.1.1					1				
I hereby certi	fy that the i	information g	iven above	e is true and comp	plete to th	e best of my	knowledge and u	nderstand	that purs	uant to NMOCD rules and
public health	or the envir	ronment. The	e acceptan	ce of a C-141 rep	ort by the	NMOCD ma	arked as "Final R	eport" doe	s not reli	eve the operator of liability
should their o	perations h	ave failed to	adequately	investigate and r	remediate	contamination	on that pose a three	eat to grou	ind water	, surface water, human health
or the enviror	ment. In a	ddition, NMC	DCD accep	otance of a C-141	report do	bes not reliev	e the operator of	responsibi	lity for c	ompliance with any other
icuciai, state,	of local lay	ws and/or reg	ulations.				OIL CON	SERVA	TION	DIVISION
11.	0.						<u>one corn</u>	OLICTI	/	A A
dela	y this	Jun							/	m. 1 - 6
Signatura:	0 (				1	Approved by	Environmental S	pecialist:	17	Xila
Signature.									0	()
Printed Name	e: Kelsey C	Christiansen								
Title: Enviro	nmental Sp	pecialist			I	Approval Dat	e: 8/5/13	5 Ex	piration 1	Date:
E-mail Addre	ss: kelsey.	christiansen@	williams.	com	(	Conditions of	Approval:			Attached
Data:	5/25/2015		D	hono: 505 (22 4)	506					
Attach Addit	ional Shee	ets If Necess	ary 1	none: 505-632-46	000	-	1			
			#	NOCS 15	QQ.	732	278			2



April 20, 2015

Matt Webre Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: (505) 632-4442 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Lateral D-2 Line Leak

OrderNo.: 1504414

Dear Matt Webre:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/9/2015 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued April 14, 2015.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1504414 Date Reported: 4/20/2015 ,

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### Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Lat D-2 Wall Composite

 Project:
 Lateral D-2 Line Leak
 Collection Date: 4/8/2015 1:00:00 PM

 Lab ID:
 1504414-001
 Matrix: SOIL
 Received Date: 4/9/2015 8:09:00 AM

 Applyses
 Paralyses
 PL<Oucl. Units</td>
 DE
 Date Applyzed
 Patch

Anaryses	Result	RL (	Juar	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	JME
Diesel Range Organics (DRO)	16	9.7		mg/Kg	1	4/10/2015 2:51:48 PM	18604
Surr: DNOP	94.5	63.5-128		%REC	1	4/10/2015 2:51:48 PM	18604
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst	NSB
Gasoline Range Organics (GRO)	26	4.8		mg/Kg	1	4/10/2015 1:52:08 PM	18596
Surr: BFB	151	80-120	S	%REC	1	4/10/2015 1:52:08 PM	18596
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.048		mg/Kg	1	4/10/2015 1:52:08 PM	18596
Toluene	0.27	0.048		mg/Kg	1	4/10/2015 1:52:08 PM	18596
Ethylbenzene	0.15	0.048		mg/Kg	1	4/10/2015 1:52:08 PM	18596
Xylenes, Total	2.0	0.096		mg/Kg	1	4/10/2015 1:52:08 PM	18596
Surr: 4-Bromofluorobenzene	117	80-120		%REC	1	4/10/2015 1:52:08 PM	18596
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	ND	30		mg/Kg	20	4/13/2015 1:39:33 PM	18650
EPA METHOD 418.1: TPH						Analyst	JME
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	4/17/2015 12:00:00 PM	18725

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 Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	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	1 age 1 01 /
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

#### Analytical Report Lab Order 1504414 Date Reported: 4/20/2015

#### Hall Environmental Analysis Laboratory, Inc.

4

 CLIENT: Williams Field Services
 Client Sample ID: Lat D-2 Bottom Composite (Roc

 Project:
 Lateral D-2 Line Leak
 Collection Date: 4/8/2015 1:10:00 PM

 Lab ID:
 1504414-002
 Matrix: SOIL
 Received Date: 4/9/2015 8:09:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	JME
Diesel Range Organics (DRO)	1600	100		mg/Kg	10	4/10/2015 3:18:53 PM	18604
Surr: DNOP	0	63.5-128	S	%REC	10	4/10/2015 3:18:53 PM	18604
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	NSB
Gasoline Range Organics (GRO)	4200	470		mg/Kg	100	4/11/2015 6:07:56 PM	18596
Surr: BFB	195	80-120	S	%REC	100	4/11/2015 6:07:56 PM	18596
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	12	4.7		mg/Kg	100	4/11/2015 6:07:56 PM	18596
Toluene	210	4.7		mg/Kg	100	4/11/2015 6:07:56 PM	18596
Ethylbenzene	45	4.7		mg/Kg	100	4/11/2015 6:07:56 PM	18596
Xylenes, Total	490	9.5		mg/Kg	100	4/11/2015 6:07:56 PM	18596
Surr: 4-Bromofluorobenzene	116	80-120		%REC	100	4/11/2015 6:07:56 PM	18596
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	420	30		mg/Kg	20	4/13/2015 1:51:58 PM	18650
EPA METHOD 418.1: TPH						Analyst	JME
Petroleum Hydrocarbons, TR	6100	200		mg/Kg	10	4/17/2015 12:00:00 PM	18725

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 Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	sexceeded
	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			

Client: Project:	Willia Latera	ams Field Services al D-2 Line Leak	
Sample ID	MB-18650	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 18650	RunNo: 25488
Prep Date:	4/13/2015	Analysis Date: 4/13/2015	SeqNo: 754866 Units: mg/Kg
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID	LCS-18650	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 18650	RunNo: 25488
Prep Date:	4/13/2015	Analysis Date: 4/13/2015	SeqNo: 754867 Units: mg/Kg
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 15 150	0 0 923 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

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20 4 15

WO#: 1504414

20-Apr-15

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WO#:	1504414
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20-Apr-15

Client: Project:	Willian Lateral	ns Field Serv D-2 Line Lea	ices ak								
Sample ID	MB-18725	SampTy	ype: ME	BLK	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	PBS	Batch	ID: 18	725	F	RunNo: 2	5588				
Prep Date:	4/16/2015	Analysis Da	ate: 4/	17/2015	S	SeqNo: 7	58166	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	ND	20								
Sample ID	LCS-18725	SampT	ype: LC	s	Tes	tCode: E	PA Method	418.1: TPH			
Client ID:	LCSS	Batch	ID: 18	725	F	RunNo: 2	5588				
Prep Date:	4/16/2015	Analysis D	ate: 4/	17/2015	5	SeqNo: 7	58167	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	97	20	100.0	0	97.3	86.7	126			
Sample ID	LCSD-18725	SampT	ype: LC	SD	Tes	tCode: E	PA Method	418.1: TPH			
Client ID:	LCSS02	Batch	ID: 18	725	F	RunNo: 2	5588				
Prep Date:	4/16/2015	Analysis D	ate: 4/	17/2015	5	SeqNo: 7	58168	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	drocarbons, TR	99	20	100.0	0	98.5	86.7	126	1.30	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

Client: Project:	William Lateral I	s Field Serv D-2 Line Le	vices eak									
Sample ID N	IB-18604	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: P	BS	Batch	n ID: 18	604	RunNo: 25410							
Prep Date:	4/9/2015	Analysis D	ate: 4/	10/2015	S	eqNo: 7	53569	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Org Surr: DNOP	ganics (DRO)	ND 9.6	10	10.00		95.9	63.5	128				
Sample ID L	CS-18604	SampT	ype: LC	s	Test	Code: EF	PA Method	8015D: Diese	el Range C	Organics		
Client ID: L	CSS	Batch	n ID: 18	604	R	unNo: 2	5410					
Prep Date:	4/9/2015	Analysis D	Date: 4/	10/2015	S	eqNo: 7	53572	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Org	ganics (DRO)	53	10	50.00	0	106	67.8	130				
Surr: DNOP		4.5		5.000		89.3	63.5	128				

Hall Environmental Analysis Laboratory, Inc.

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

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WO#: 1504414

20-Apr-15

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Client: William: Project: Lateral I	s Field Service D-2 Line Leak	S								
Sample ID MB-18596	SampType	: MBL	.K	Test	Code: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch ID	: 1859	6	R	unNo: 2	5429				
Prep Date: 4/9/2015	Analysis Date	: 4/10	)/2015	S	eqNo: 7	52655	Units: mg/K	g		
Analyte	Result P	QL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		88.6	80	120			
Sample ID LCS-18596	SampType	E LCS		Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch ID	: 1859	6	R	RunNo: 2	5429				
Prep Date: 4/9/2015	Analysis Date	: 4/10	0/2015	S	SeqNo: 7	52656	Units: mg/K	g		
Analyte	Result P	QL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	64	130			
Surr: BFB	950		1000		94.7	80	120			

### Hall Environmental Analysis Laboratory, Inc.

#### 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

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1504414 20-Apr-15

WO#:

Client: Willia Project: Latera	ms Field Serv ll D-2 Line Le	vices eak								
Sample ID MB-18596	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 18	596	R	unNo: 2	5429				
Prep Date: 4/9/2015	Analysis D	ate: 4/	10/2015	S	eqNo: 7	52689	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			
Sample ID LCS-18596	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 18	596	F	RunNo: 2	5429				
Prep Date: 4/9/2015	Analysis D	ate: 4/	10/2015	S	SeqNo: 7	52690	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.050	1.000	0	115	76.6	128			
Toluene	1.1	0.050	1.000	0	106	75	124			
Ethylbenzene	1.1	0.050	1.000	0	113	79.5	126			
Xylenes, Total	3.4	0.10	3.000	0	113	78.8	124			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

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#: 1504414

20-Apr-15

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Page 7 of 7

HALL Hall Environme ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345- Website: ww	ental Analysis Laborat 4901 Hawkins Albuquerque, NM 87 3975 FAX: 505-345-4 w.hallenvironmental.	NE 109 <b>Sam</b> 107 107	ple Log-In Checl	( List
Client Name: WILLIAMS FIELD SERVI Work Order Nun	nber: 1504414		RoptNo: 1	
Received by/date: AG 64/00/15				
Logged By: Lindsay Mangin 4/9/2015 8:09:00 /	AM	Andythego		
Completed By Lindsay Mangin 4/9/2015 10:35:01	AM	Anderthan		
Reviewed By: Da allogh	<	0000		
bain of Custody	)			
1 Custoriy seals intact on sample bottles?	Vee	No	Not Present	
2 is Chain of Custody complete?	Yes V	No 🗌	Not Present	
3. How was the sample delivered?	Courier			
<u>.og in</u>				
4. Was an attempt made to cool the samples?	Yes 🗹	No 📖	NA	
5. Were all samples received at a temperature of $>0^{\circ}$ 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	
0.VOA vials have zero headspace?	Yes	No	No VOA Vials	
1. Were any sample containers received broken?	Yes	No 🔽		
		-	# of preserved bottles checked	
2. Does paperwork match bottle labels? (Note discremancies on chain of custody)	Yes 🖌	No	for pH: (<2 or >12 u	nless note
3 Are matrices correctly identified on Chain of Custody?	Yes 🖌	No	Adjusted?	
4, is it clear what analyses were requested?	Yes 🔽	No 🗌		
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>	Yes 🖌	No	Checked by:	
pecial Handling (if applicable)				
6. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA 🖌	
Person Notified. Dat	te	aritheonic and the manifest of		
By Whom: Via	eMail 🗌 P	hone 🗌 Fax	In Person	
Regarding:			na de la companya de	
Client Instructions:				
( . Additional remarks:				
8. Cooler Information	Reci Data	Signed D. 1		
Looper No Temp*C Condition Seal Intact Seal No	Seal Date	Signed By		
		1		

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0	Chain-of-Custody Record			Turn-Around Time:											/T F				AIT	- 4.1	
Client:	WFS			Standard	□ Rush												30	TE		AL	×
				Project Name	Э:							v hal	lenv	iron		tal c					
Mailing	Address	: 188	< R 4900	Interel	D-) LiNG	leck	4901 Hawkins NE - Albuquerque NM 87109														
Bloo	m Fig	old N	M 87413	Project #:		<u></u>	Tel 505-345-3975 Eax 505-345-4107														
Phone	#: 505	215	-7423	1			Analysis Request														
email	or Fax#:	natt-we	bre@willing.com	Project Manager:												T					
QAVQC	Package:						021	s on	<b>R</b>			6		4,SC	B's						
Star	ndard		Level 4 (Full Validation)	Matt webre			s (8	(Ga	SO			SIM		PO	2 PC						
Accred	Accreditation			Sampler: Mo	rgen Kill	1:00	H	H	10	=	÷.	20		NO <sub>2</sub>	8082						Î
□ NELAP □ Other			On Ice:	Yes		+	+	SRO	418	504	or 82	s	40 <sub>3</sub> ,	es /		(YO				or	
	) (Type)	1		Sample Tem	perature:		Ē	TBE	B (0	por	pou	10	leta	CI,N	icide	(YC	N-I	de			s (Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO. 1	BTEX + M	3TEX + M	<b>TPH 8015</b>	TPH (Meth	EDB (Met	PAH's (83	RCRA 8 N	Anions (F,	3081 Pest	3260B (VC	3270 (Sen	Chlori			Air Bubble
1/8/15-	1:00	5011	Let D-2 Wall compsite	1-402	TLE	-001	$\overline{\times}$		X	×	-	-		~				$\times$	+	+	1
#3/15	1:10	Soil	Bottom compsit (Rock)	1-402	TCC	-002	×		×	.~								$\times$		-	_
										_		_							-+	+	
											_										+
																				_	_
												_							+	+	+
										-										+	$\pm$
										_		_						$ \rightarrow $	+	+	+
Date:	Time: 16 13	Relinquish	ed by:	Received by:	Late.	Date Time	Rem	narks	s:												
Date:	Time:	Relinguish	ed by:	Received by:	allas	- 04/09/15															

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.

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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

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# OIL CONS. DIV DIST. 3

MAY 28 2015

Form C-141 Revised August 8, 2011

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

State of New Mexico

Energy Minerals and Natural Resources

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

			Rele	ease Notific	ation	and Co	orrective A	ction		
						OPERAT	FOR	Ir	nitia	l Report 🛛 Final Report
Name of Co	mpany: W	illiams Four	Corners	LLC	(	Contact: Ke	lsey Christianse	n		· · · · ·
Address: 18	8 CR 4900	), Bloomfield	d, NM 8	57413		Felephone N	No.: (505) 632-4	606		
Facility Nar	ne: A-Ridg	ge Inlet Pipe	line			Facility Typ	e: Pipeline			
Surface Ow	ner: Jicaril	lla Apache N	ation	Mineral C	wner			API	No.	
				LOCA	TION	OF REI	LEASE			
Unit Letter G	Section 23	Township 26N	Range 4W	Feet from the	North/	South Line	Feet from the	East/West Lin	ne	County Rio Arriba
			I	atitude <u>36.473</u>	708° N	Longitud	e <u>-107.220953</u> °	W		
				NAT	URE	OF REL	EASE			
Type of Relea	ase: Natura	l Gas				Volume of Natural Ga	Release: 86.1 M	CF Volun	ne R	ecovered: 0 MCF Natural gas
Source of Re	lease: Pinho	ble				Date and H Unknown	lour of Occurrence	e: Date a 05/12/	nd H 15 a	Hour of Discovery: at 08:00 AM MST
Was Immedia	ate Notice (	Given?	Yes	No 🛛 Not Re	equired	If YES, To	Whom?			
By Whom?						Date and H	lour:			
Was a Water	course Read	ched?	Yes 🛛	No		If YES, Vo	olume Impacting t	he Watercourse		
If a Watercou	ırse was Im	pacted, Descri	ibe Fully.'	k						
Not Applicab	ble									
Describe Cau	se of Probl	em and Reme	dial Action	n Taken.*						
On May 13, 2 Williams per	2015 Willia sonnel are c	ms personnel currently in the	discovered e process d	d a pinhole on the of repairing the pi	A-Ridgenhole in	e Pipeline wh the pipeline.	nich caused the re	lease of approxi	imat	ely 86.1 MCF of natural gas.
Describe Are	a Affected	and Cleanup A	Action Tak	ten.*						
If impacted	soil is enco	ountered durin	g repairs r	emediation activit	ties will	take place in	direct coordination	on with the Jica	rilla	Apache Tribe.
I hereby certi regulations al public health should their c or the environ federal, state,	fy that the i ll operators or the envir operations h ment. In a or local law	information gi are required to ronment. The ave failed to a ddition, NMC ws and/or regu	ven above o report an acceptance adequately OCD accept acceptance	is true and comp nd/or file certain r ce of a C-141 report investigate and r tance of a C-141	lete to the elease no ort by the emediate report do	e best of my otifications and NMOCD m e contaminations not reliev	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of	nderstand that p tive actions for eport" does not eat to ground w responsibility fo	rele relie relie ater, or co	uant to NMOCD rules and ases which may endanger eve the operator of liability , surface water, human health ompliance with any other
Signature	ang Ch	ustum	-			Approved by	OIL CON Environmental S	SERVATIC	n n	DIVISION
Signature.								C	//	< vvv
Printed Name	: Kelsey C	hristiansen				A	elelu	- Punitari	C	
Title: Enviroi	nmental Spo	ecialist				Approval Dat		Expirati	on I	
E-mail Addre	ess: kelsey.c	christiansen@	williams.c	om		Conditions of	f Approval:			Attached
Date: 05/19/1	5	Phor	ne: (505) 6	32-4606						
Attach Addi	nonal Shee	tis II Necess	ai y		AH	CS 13	,2172	1246	4	

District I 1625 N. French Dr., Hobbs, NM 88240 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

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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

JUL 13 2015

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**

		<b>OPERATOR</b>		Initial Report	$\boxtimes$	Final Report
Name of Company: Williams Four Corners L	Contact: Kelsey Christiansen					
Address: 188 CR 4900, Bloomfield, NM 87	Telephone No.: (505) 632-4606					
Facility Name: A-Ridge Inlet Pipeline	Facility Type: Pipeline					
Surface Owner: Jicarilla Apache Nation	r	A	PI No.			

Surface Owner: Jicarilla Apache Nation

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County				
G	23	26N	4W					Rio Arriba				

Latitude <u>36.473708° N</u> Longitude <u>-107.220953° W</u>

#### NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 86.1 MCF Natural Gas	Volume R	ecovered: 0 MCF Natural gas						
Source of Release: Pinhole	Date and Hour of Occurrence: Unknown	Date and H 05/12/15 a	Hour of Discovery: at 08:00 AM MST						
Was Immediate Notice Given?	If YES, To Whom?								
By Whom?	Date and Hour:								
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	atercourse.							
If a Watercourse was Impacted, Describe Fully.*									
Not Applicable									
Describe Cause of Problem and Remedial Action Taken.*									
On May 13, 2015 Williams personnel discovered a pinhole on the A-Rid Williams personnel are currently in the process of repairing the pinhole i	ge Pipeline which caused the release on the pipeline.	of approximate	ely 86.1 MCF of natural gas.						
Describe Area Affected and Cleanup Action Taken.*									
If impacted soil is encountered during repairs remediation activities wil	I take place in direct coordination wit	h the Jicarilla	Apache Tribe.						
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release a public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local laws and/or regulations.	the best of my knowledge and underst notifications and perform corrective a ne NMOCD marked as "Final Report" te contamination that pose a threat to does not relieve the operator of respon	and that pursu ctions for relea does not relia ground water, asibility for co	ant to NMOCD rules and ases which may endanger eve the operator of liability surface water, human health mpliance with any other						
	OIL CONSER	VATION ]	DIVISION						
Lelang Christian	Approved by Environmental Special	ist:							
Signature:		Dud							
Printed Name: Kelsey Christiansen		Unpri	care c						
Title: Environmental Specialist	Approval Date:	Expiration D	Date:						
E-mail Address: kelsey.christiansen@williams.com	Conditions of Approval:		Attached						
Date: 05/19/15 Phone: (505) 632-4606									

\* Attach Additional Sheets If Necessary



June 01, 2015

Kelsey Christiansen Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: (505) 632-4442 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Jic A 10E / A ridge Suction

OrderNo.: 1505A02

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/22/2015 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

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field ServicesProject:Jic A 10E / A ridge SuctionLab ID:1505A02-001Matrix: SOIL

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Client Sample ID: Jic A 10 E/A Ridge Wall Comp Collection Date: 5/21/2015 1:00:00 PM Received Date: 5/22/2015 6:10:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	том
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	5/27/2015 12:00:00 PM	19391
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	150	30	mg/Kg	20	5/27/2015 4:15:53 PM	19403
EPA METHOD 8015D: DIESEL RANGE O	RGANICS				Analyst	KJH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/27/2015 2:12:54 PM	19380
Surr: DNOP	92.1	57.9-140	%REC	1	5/27/2015 2:12:54 PM	19380
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/27/2015 12:50:26 AM	19360
Surr: BFB	90.7	75.4-113	%REC	1	5/27/2015 12:50:26 AM	19360
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.049	mg/Kg	1	5/27/2015 12:50:26 AM	19360
Toluene	ND	0.049	mg/Kg	1	5/27/2015 12:50:26 AM	19360
Ethylbenzene	ND	0.049	mg/Kg	1	5/27/2015 12:50:26 AM	19360
Xylenes, Total	ND	0.097	mg/Kg	1	5/27/2015 12:50:26 AM	19360
Surr: 4-Bromofluorobenzene	96.0	80-120	%REC	1	5/27/2015 12:50:26 AM	19360

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					
	Е	Value above quantitation range	Η	H Holding times for preparation or analysis exceede				
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 7			
	Ο	RSD is greater than RSDlimit	Р	Sample pH Not In Range	ruge ror /			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit				
	S	Spike Recovery outside accepted recovery limits						

Analytical Report Lab Order 1505A02 Date Reported: 6/1/2015

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services

1505A02-002

Lab ID:

Project: Jic A 10E / A ridge Suction

. 1

 Client Sample ID: Jic A 10 E / A Ridge 130 Hom C

 Collection Date: 5/21/2015 1:15:00 PM

 Matrix: SOIL
 Received Date: 5/22/2015 6:10:00 AM

Analyses	Result	RL (	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst:	том
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	5/27/2015 12:00:00 PM	19391
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	420	30	mg/Kg	20	5/27/2015 4:28:18 PM	19403
EPA METHOD 8015D: DIESEL RANGE O	RGANICS				Analyst:	KJH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/27/2015 2:34:04 PM	19380
Surr: DNOP	87.2	57.9-140	%REC	1	5/27/2015 2:34:04 PM	19380
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/27/2015 1:19:10 AM	19360
Surr: BFB	90.5	75.4-113	%REC	1	5/27/2015 1:19:10 AM	19360
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.049	mg/Kg	1	5/27/2015 1:19:10 AM	19360
Toluene	ND	0.049	mg/Kg	1	5/27/2015 1:19:10 AM	19360
Ethylbenzene	ND	0.049	mg/Kg	1	5/27/2015 1:19:10 AM	19360
Xylenes, Total	ND	0.098	mg/Kg	1	5/27/2015 1:19:10 AM	19360
Surr: 4-Bromofluorobenzene	96.4	80-120	%REC	1	5/27/2015 1:19:10 AM	19360

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
	E	Value above quantitation range	Н	Holding times for preparation or analysis e	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			

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Hall Environmenta	l Analysis	Laboratory,	Inc.
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WO#: 1505A02

01-Jun-15

Client:	Willi	iams Field Serv	vices								
Project:	Jic A	10E / A ridge	Suction	1							
Sample ID	MB-19403	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	1 ID: 19	403	F	RunNo: 2	6448				
Prep Date:	5/27/2015	Analysis D	ate: 5/	27/2015	S	SeqNo: 7	86139	Units: mg/M	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-19403	SampT	ype: LC	S	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	1D: 19	403	F	RunNo: 2	6448				
Prep Date:	5/27/2015	Analysis D	ate: 5/	27/2015	5	SeqNo: 7	86140	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.1	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

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Hall	Environmental	Analysis	Laboratory,	Inc.
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WO#: 1505A02

01-Jun-15

Client:	William	s Field Serv	rices								
Project:	Jic A 10	E / A ridge	Suction	1							
Sample ID	MB-19391	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	PBS	Batch	ID: 19	391	F	RunNo: 2	6427				
Prep Date:	5/26/2015	Analysis D	ate: 5/	27/2015	S	SeqNo: 7	85402	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydro	ocarbons, TR	ND	20								
Sample ID	LCS-19391	SampT	ype: LC	S	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	LCSS	Batch	ID: 19	391	F	RunNo: 2	6427				
Prep Date:	5/26/2015	Analysis D	ate: 5/	27/2015	S	SeqNo: 7	85403	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydro	ocarbons, TR	92	20	100.0	0	91.9	86.7	126			
Sample ID	LCSD-19391	SampT	ype: LC	SD	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	LCSS02	Batch	ID: 19	391	F	RunNo: 2	6427				
Prep Date:	5/26/2015	Analysis D	ate: 5/	27/2015	S	eqNo: 7	85404	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydro	ocarbons, TR	96	20	100.0	0	96.1	86.7	126	4.50	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

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Hall Environmental Analysis Laboratory, Inc.

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Client: Project:	William Jic A 10	s Field Services E / A ridge Suctio	on							
Sample ID	MB-19380	SampType: N	IBLK	Test	Code: EF	PA Method	8015D: Diese	Range C	Organics	
Client ID:	PBS	Batch ID: 1	9380	R	unNo: 20	6424				
Prep Date:	5/26/2015	Analysis Date:	5/27/2015	S	eqNo: 7	85313	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	ND 10	0				0			
Surr: DNOP		12	10.00		123	57.9	140			
Sample ID	LCS-19380	SampType: L	.CS	Test	Code: EF	PA Method	8015D: Diese	Range C	Organics	
Client ID:	LCSS	Batch ID: 1	9380	R	unNo: 20	6424				
Prep Date:	5/26/2015	Analysis Date:	5/27/2015	S	eqNo: 78	85374	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	60 10	0 50.00	0	119	67.8	130			
Surr: DNOP		6.1	5.000		122	57.9	140			
Sample ID	MB-19416	SampType: N	IBLK	Test	Code: EF	PA Method	8015D: Diese	l Range C	Drganics	
Client ID:	PBS	Batch ID: 1	9416	R	unNo: 26	6455				
Prep Date:	5/27/2015	Analysis Date:	5/28/2015	S	eqNo: 78	86402	Units: %RE	C		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		11	10.00		108	57.9	140			
Sample ID	LCS-19416	SampType: L	.CS	Test	Code: EF	PA Method	8015D: Diese	I Range C	Organics	
Client ID:	LCSS	Batch ID: 1	9416	R	unNo: 26	6455				
Prep Date:	5/27/2015	Analysis Date:	5/28/2015	S	eqNo: 78	86403	Units: %REC	C		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.5	5.000		110	57.9	140			

Qualifiers:

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

Page 5 of 7

01-Jun-15

WO#: 1505A02

Hall Environmental Analysis Laboratory, Inc.

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Client: Project:	Williams Jic A 10	s Field Services E / A ridge Suc	stion						
Sample ID	MB-19360	SampType	MBLK	TestCod	e: EPA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch ID:	19360	RunN	o: 26397				
Prep Date:	5/22/2015	Analysis Date:	5/26/2015	SeqN	o: 784808	Units: mg/K	g		
Analyte		Result P	QL SPK value	SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0						
Surr: BFB		900	1000	Ş	0.3 75.4	113			
Sample ID	LCS-19360	SampType	LCS	TestCod	e: EPA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch ID:	19360	RunN	o: 26397				
Prep Date:	Prep Date:         5/22/2015         Analysis Date:         5/26/2015         SeqNo:         784809         Units:         mg/Kg								
Analyte		Result P	QL SPK value	SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	25	5.0 25.00	0	100 64	130			
Surr: BFB		1000	1000	5	9.7 75.4	113			
Sample ID	MB-19388	SampType	MBLK	TestCod	e: EPA Method	1 8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch ID:	19388	RunN	o: <b>26441</b>				
Prep Date:	5/26/2015	Analysis Date:	5/27/2015	SeqN	o: 785675	Units: %RE(	C		
Analyte		Result P	QL SPK value	SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		900	1000	٤	9.6 75.4	113			
Sample ID	LCS-19388	SampType	LCS	TestCod	e: EPA Method	d 8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch ID:	19388	RunN	o: 26441				
Prep Date:	5/26/2015	Analysis Date:	5/27/2015	SeqN	o: 785676	Units: %RE(	C		
Analyte		Result P	QL SPK value	SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		990	1000	9	9.3 75.4	113			

Qualifiers:

- Value exceeds Maximum Contaminant Level. \*
- Value above quantitation range E
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Sample pH Not In Range Р
- RL Reporting Detection Limit

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1505A02

WO#:

01-Jun-15

Client:

Hall	Environmental	Analysis	Laboratory,	Inc.
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Williams Field Services

Project: Jic A 10	DE / A ridge Sucti	on							
Sample ID MB-19360	SampType: I	MBLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch ID:	19360	F	RunNo: 2	6397				
Prep Date: 5/22/2015	Analysis Date:	5/26/2015	S	SeqNo: 7	84841	Units: mg/k	٢g		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND 0.05	0							
Toluene	ND 0.05	0							
Ethylbenzene	ND 0.05	0							
Xylenes, Total	ND 0.1	0							
Surr: 4-Bromofluorobenzene	1.0	1.000		101	80	120			
Sample ID LCS-19360	SampType: I	LCS	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch ID:	19360	F	RunNo: 2	6397				
Prep Date: 5/22/2015	Analysis Date:	5/26/2015	5	SeqNo: 7	84842	Units: mg/k	(g		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0 0.05	0 1.000	0	100	76.6	128			
Toluene	0.98 0.05	0 1.000	0	97.9	75	124			
Ethylbenzene	0.99 0.05	0 1.000	0	98.7	79.5	126			
Xylenes, Total	3.0 0.1	0 3.000	0	98.4	78.8	124			
Surr: 4-Bromofluorobenzene	1.1	1.000		110	80	120			
Sample ID MB-19388	SampType: I	MBLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch ID:	9388	F	RunNo: 2	6441				
Prep Date: 5/26/2015	Analysis Date:	5/27/2015	S	SeqNo: 7	85699	Units: %RE	С		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.98	1.000		97.9	80	120			
Sample ID LCS-19388	SampType: I	CS	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch ID:	9388	F	RunNo: 2	6441				
Prep Date: 5/26/2015	Analysis Date:	5/27/2015	S	SeqNo: 7	85700	Units: %RE	С		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1	1.000		108	80	120			

Qualifiers:

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

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01-Jun-15

WO#: 1505A02

HALL	Hall
ENVIRONMENTAL	
ANALYSIS	
LABORATORY	TEL

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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

No. of Concession, Name of Con		the second s	the second s	Statement of the local day in the local day in the local day is the local day in the local day is the local	And a second
Client Name: WILLIAMS FIELD SERVI	Work Order Number:	1505A02		RcptNo:	1
Received by/date:	05/22/15				
Logged By: Lindsay Mangin	5/22/2015 6:10:00 AM		Junky Hargo		
Completed By: Lindsay Mangin	5/22/2015 9:13:27 AM		Andy Hope		
Reviewed By:	05/22/15		000		
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					
<ol> <li>Was an attempt made to cool the sample</li> </ol>	es?	Yes 🛃	No 🗌	NA 🗌	
5. Were all samples received at a temperate	ure of >0° C to 6.0°C	Yes 🖈	No 🗌	NA	2
6. Sample(s) in proper container(s)?		Yes 🗶	No 🗌		
7. Sufficient sample volume for indicated tes	st(s)?	Yes 🛃	No 🗌		
8. Are samples (except VOA and ONG) prop	perly 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 br	oken?	Yes	No M		
		100		# of preserved	
12.Does paperwork match bottle labels?		Yes 🛃	No 🗌	for pH:	
(Note discrepancies on chain of custody)				(<2 o	r >12 unless noted)
13. Are matrices correctly identified on Chain	of Custody?	Yes 🖈	No L	Adjusted ?	
14. Is it clear what analyses were requested?		Yes 🛃	No L		
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 wi	th this order?	Yes 🗌	No 🗌	NA 🕢	
Person Notified:	Date:				

Via:

Seal Date

eMail Phone Fax In Person

Signed By

18. <u>Cooler Information</u> <u>Cooler No</u> Temp <sup>o</sup>C Condition Seal Intact Seal No 1 3.8 Good Yes

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17. Additional remarks:

By Whom:

Regarding:

Client Instructions:

С	hain	of-Cu	istody Record	Turn-Around	Time:								- 111	T	20	NI	ME	NT/		:
Client:	IFS			Standard	C Rush					-	NA	LY	SI	SI	A	BO	RA	TO	RY	
				Project Name	». DELA	pidersuction			1		www.	halle	viror	men	tal.co	om				
Vailing	Address	881	CR 4900	JICH	10211	Ridg of		49	01 H	awki	ns NE	E - A	Ibuqu	Jerqu	ie, Ń	M 8	7109			
3100	DME	ield	NM 87413	Project #:			1	Т	el. 50	)5-34	5-397	75	Fax	505	-345	-410	)7			
Phone #	\$:505	-215	5-7433	1			19					Ana	lysis	Rec	ues	t				
email or	Fax#:	le beys	christain@ willionscor	Project Mana	iger:		=	青	RO)				04)							
QA/QC F	Package:			1	/		802	as o	M/			(2)	04,S	CB						
□ Stan	dard		Level 4 (Full Validation)	Kelse	1 Chr	istiansen	B's (	9	RO			SIN	) <sub>2</sub> ,P(	32 P						
	AP	□ Othe	er	Sampler: Ma	Dirgan Ki Ziyes	//	THE +		RO/E	418.1)	504.1)	r 8270	O3,NC	s / 808		(YC				or N)
	(Type)			Sample Tem	perature:	No. of the second se	TBE		B (G	pol	pou	10.0	CI'N	cide	(A)	-in	2			s (Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + M	BTEX + M	TPH 8015	TPH (Meth	EDB (Meth	PAH'S (83	Anions (F,	3081 Pest	3260B (VC	3270 (Sen	Chlo.			Air Bubble
7/21/15	1:00	50;1	JICALOE / ARidge	1-402	1007	-001	X	IT	X	X	-			1			X			_
21/15	1:15	50;1	JiCAIOE / A Ridge BOHOM COMP.	1-402	1001	-002	X	1	X	X							X			
																				ļ
																_				
Date:	Time: 1705	Relinquish	ing Killion	Received by:	a Walt	5/21/15 1705	Rer	nark	s:											
Date:	Time:	Relinquish	Ed by: Halts	Received by:	+K-	Date Time														

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.