3R-1013

Release Report/ General Correspondence

Williams SJ

Date: Apr-Jun 2015

36.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

Revised August 8, 2011

Form C-141

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

Release Notification and Corrective Action

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

	OPERATOR	☐ Initial Report ☐ Final Report											
Name of Company Williams Four Corners LLC	Contact Kelsey Christiansen												
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4606												
Facility Name La Jara Compressor Station	Facility Type Compressor Station												
Surface Owner Bureau of Land Management Mineral Owner		API No.											
LOCATIO	ON OF RELEASE												
Unit Letter Section Township Range M 1 30N 9W Feet from the North	h/South Line Feet from the East/W	Vest Line County San Juan											
Latitude <u>36.81754</u> °	N Longitude <u>107.49144° W</u>												
NATURI	E OF RELEASE												
Type of Release Natural Gas	Volume of Release 617 MCF	Volume Recovered 0 MCF											
Source of Release Pressure Relief Valve V-11339	Date and Hour of Occurrence	Date and Hour of Discovery											
Was Immediate Notice Given?	04/06/15, 12:00 PM MST If YES, To Whom?	04/06/15, 12:00 PM MST											
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Require													
Z 165 Z 166 Z 166 Require	Shari Ketcham, BLM												
By Whom? Kelsey Christiansen	Date and Hour 04/06/2015 at 04:15												
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Wate	ercourse.											
If a Watercourse was Impacted, Describe Fully.*													
Not Applicable		APR 1 0 2015											
Describe Cause of Problem and Remedial Action Taken.*	(6	ATT I U LUTO											
Fuel gas pressure relieve valve failed allowing the release of natu and Williams' contractor was called out to repair the valve and c													
Describe Area Affected and Cleanup Action Taken.*													
No clean-up required for natural gas releases.													
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 public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remedi or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	notifications and perform corrective acti the NMOCD marked as "Final Report" do ate contamination that pose a threat to gradoes not relieve the operator of responsi	ons for releases which may endanger oes not relieve the operator of liability ound water, surface water, human health bility for compliance with any other											
Lelay Chrodium	OIL CONSERV	ATION DIVISION											
Signature:	Approved by Environmental Specialist	:/ me											
Printed Name: Kelsey Christiansen													
Title: Environmental Specialist	Approval Date: 5/8/15 Expiration Date:												
E-mail Address: kelsey.christiansen@williams.com	Conditions of Approval:												
Date: 04/07/15 Phone: 505-632-4606													

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

Revised August 8, 2011

Form C-141

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

Release Notification and Corrective Action

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

	OPERATOR	☐ Initial Report ☐ Final Report
Name of Company Williams Four Corners LLC	Contact Mitch Morris	
Address 188 CR 4900, Bloomfield, NM 87413	Telephone No. 505-632-4708	
Facility Name Trunk Q Tank 507	Facility Type Pipeline Drip Tar	nk
Surface Owner Bureau of Land Management Mineral Owner		API No.
LOCATIO	ON OF RELEASE	
		t/West Line County
P 28 26N 8W		San Juan
Latitude <u>36.452122°</u>	N Longitude - <u>107.681064° W</u>	
	E OF RELEASE	
Type of Release Condensate and Produced Water Mix	Volume of Release Estimated at 14.09 BBL	Volume Recovered 14.09 BBL
Source of Release Corrosion on Tank	Date and Hour of Occurrence 04/07/2015, 12:00 PM MST	Date and Hour of Discovery 04/07/2015, 12:00 PM MST
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse.
☐ Yes ⊠ No		Oli Ochic Pina
If a Watercourse was Impacted, Describe Fully.*		OIL CONS. DIV DIST. 3
Not Applicable		APR 2 3 2015
Describe Cause of Problem and Remedial Action Taken.*		
An operations technician observed a hole in a storage tank that released via vacuum truck and taken to an approved disposal site. The tank has be Describe Area Affected and Cleanup Action Taken.*		ned containment. The liquids were removed
The released liquids were removed via vacuum truck. The secondary co	entainment is synthetically lined and n	o soil was impacted.
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 public health or the environment. The acceptance of a C-141 report by t should their operations have failed to adequately investigate and remediator the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	notifications and perform corrective a the NMOCD marked as "Final Report ate contamination that pose a threat to does not relieve the operator of respon	actions for releases which may endanger "does not relieve the operator of liability ground water, surface water, human health nsibility for compliance with any other
	OIL CONSER	VATION DIVISION
Must Mans	Approved by Environmental Special	list:
Printed Name: Mitch Morris	0	
Title: Environmental Specialist	Approval Date: (\$23/15	Expiration Date:
E-mail Address: mitch.morris@williams.com	Conditions of Approval:	Attached
Date: 04/20/2015 Phone: 505-632-4708		
Attach Additional Sheets If Necessary	Harris	
	HNCS 15 17442	299

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

State of New Mexico Energy Minerals and Natural Resources

AUG 03 2015

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

1220 S. St. 11di	icis Dr., Danie	are, 1414 67505	<i>'</i>	Sa	anta Fe	e, NM 875	05					
			Rele	ease Notific	cation	and Co	rrective A	ction	1			
						OPERAT	ГOR		Initi	al Report	\bowtie	Final Report
		/illiams Four					lsey Christianse			1		
		0, Bloomfield	d, NM 8	37413			No.: (505) 632-4	1606				
Facility Na						Facility Typ	e: Pipeline					
Surface Ow	ner: BLM			Mineral (Owner				API No).		
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter H	Section 23	Township 31N	Range 8W	Feet from the	North	/South Line	Feet from the	East/	West Line	County San Juan		
	20	5111		Latitude 36.88	272° NI	Longitud	107 62955° V	X 7	· · · · · · · · · · · · · · · · · · ·	Juli Vuuli		
								<u>/V</u>				
Type of Rele	ase: Natura	l Gas		NAT	UKE	Volume of	Release: 2,623 M	ACF.	Volume	Recovered: (MCF	Natural gas
						Natural Ga	S					
Source of Re	lease: Pinho	ole				Accessed to the contract of th	four of Occurrence 06:00 PM MST	ce:		Hour of Dis		:
Was Immedi	ate Notice (If YES, To	Whom?		07/07/10			
		\boxtimes	Yes L	No Not R	equired	Cory Smith Shari Ketch						
By Whom?						Date and H	lour: 07/10/15 at					
Was a Water	course Read	ched?	Yes 🗵	No		If YES, Vo	lume Impacting t	the Wate	ercourse.			
If a Watercon	urse was Im	pacted, Descri						_				
Not Applicat		parted, Deser	ioe i any.									
Dogoviho Cou	use of Brobl	em and Reme	dial Astia	n Tokon *								
				from another oper lown. An estimate								
				ples were collecte					released.	repairs to th	e pipen	ne occured
Describe Are	ea Affected	and Cleanup A	Action Tal	ken.*								
					11.1	1 (1 1/ //	11				
	-			mples collected a								
				e is true and comp nd/or file certain r								
public health	or the envi	ronment. The	acceptance	ce of a C-141 repo	ort by the	e NMOCD m	arked as "Final R	eport"	does not re	lieve the ope	rator of	fliability
				investigate and rotance of a C-141								
100 m N		ws and/or regu		nance of a C-141	report d	oes not renev						A
							OIL CON	SERV	ATION	DIVISIO	$\frac{N}{N}$	
V	I. P	histun	_						/	7	11	
Q.e.	any (OUDTITUE				Approved by	Environmental S	pecialis	t:	mo	V.	7
Signature:										1)		~~
Printed Name	e: Kelsey C	hristiansen					1 4					
Title: Enviro	nmental Sp	ecialist				Approval Dat	e: 8/12/15	5	Expiration	Date:		
E-mail Addre	ess: kelsey.	christiansen@	williams.c	com		Conditions of	Approval:			Attached		

* Attach Additional Sheets If Necessary

Phone: (505) 632-4606

Date: 07/09/14

F/NCS 1522437367

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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

July 29, 2015

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

FAX

RE: Trunk P

OrderNo.: 1507889

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/21/2015 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 www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1507889

Date Reported: 7/29/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Trunk P Bottom

Project: Trunk P

Collection Date: 7/16/2015 10:50:00 AM

Lab ID: 1507889-001

Received Date: 7/21/2015 6:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	7/27/2015 6:49:07 PM	20464
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	3			Analyst	: KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/22/2015 4:09:04 PM	20338
Surr: DNOP	65.2	57.9-140	%REC	1	7/22/2015 4:09:04 PM	20338
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/22/2015 3:27:52 PM	20352
Surr: BFB	89.8	75.4-113	%REC	1	7/22/2015 3:27:52 PM	20352
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.047	mg/Kg	1	7/22/2015 3:27:52 PM	20352
Toluene	ND	0.047	mg/Kg	1	7/22/2015 3:27:52 PM	20352
Ethylbenzene	ND	0.047	mg/Kg	1	7/22/2015 3:27:52 PM	20352
Xylenes, Total	ND	0.095	mg/Kg	1	7/22/2015 3:27:52 PM	20352
Surr: 4-Bromofluorobenzene	93.4	80-120	%REC	1	7/22/2015 3:27:52 PM	20352

Matrix: SOIL

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

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 Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1507889

Date Reported: 7/29/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Trunk P Side Walls

Project: Trunk P

Collection Date: 7/16/2015 10:45:00 AM

Lab ID: 1507889-002

Received Date: 7/21/2015 6:55:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	33	30	mg/Kg	20	7/27/2015 7:01:32 PM	20464
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANIC	S			Analyst	: KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/22/2015 4:30:26 PM	20338
Surr: DNOP	81.5	57.9-140	%REC	1	7/22/2015 4:30:26 PM	20338
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/22/2015 4:54:10 PM	20352
Surr: BFB	89.7	75.4-113	%REC	1	7/22/2015 4:54:10 PM	20352
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.047	mg/Kg	1	7/22/2015 4:54:10 PM	20352
Toluene	ND	0.047	mg/Kg	1	7/22/2015 4:54:10 PM	20352
Ethylbenzene	ND	0.047	mg/Kg	1	7/22/2015 4:54:10 PM	20352
Xylenes, Total	ND	0.095	mg/Kg	1	7/22/2015 4:54:10 PM	20352
Surr: 4-Bromofluorobenzene	95.0	80-120	%REC	1	7/22/2015 4:54:10 PM	20352

Matrix: SOIL

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

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 Page 2 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1507889

29-Jul-15

Client:

Williams Field Services

Project:

Trunk P

Sample ID MB-20464

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 20464

PQL

RunNo: 27773

HighLimit

Prep Date: 7/27/2015

Analysis Date: 7/27/2015

Result

SeqNo: 835871

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

ND 1.5

Sample ID LCS-20464

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 20464

RunNo: 27773

Prep Date: 7/27/2015

Analysis Date: 7/27/2015

SeqNo: 835872

Units: mg/Kg

RPDLimit

Qual

Analyte

SPK value SPK Ref Val %REC PQL

0

96.3

LowLimit

HighLimit 110

Result

1.5

%RPD

%RPD

Chloride

14

15.00

SPK value SPK Ref Val %REC LowLimit

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

- В Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Detection Limit

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1507889

29-Jul-15

Client:

Williams Field Services

Project:

Trunk P

Sample ID MB-20338 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 20338 RunNo: 27668 Prep Date: 7/21/2015 Analysis Date: 7/22/2015 SeqNo: 831815 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result PQL LowLimit ND Diesel Range Organics (DRO) 10 12 140 Surr: DNOP 10.00 115 57.9

Sample ID LCS-20338 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 20338 RunNo: 27701 Prep Date: 7/21/2015 Analysis Date: 7/23/2015 SegNo: 832534 Units: mg/Kg SPK value %REC HighLimit %RPD **RPDLimit** Qual Result PQL SPK Ref Val LowLimit Analyte Diesel Range Organics (DRO) 51 10 50.00 0 102 57.4 139 Surr: DNOP 5.1 5.000 101 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

Page 4 of 6

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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1507889

29-Jul-15

Client:

Williams Field Services

Project:	Trunk P										
Sample ID	MB-20352	SampT	/pe: ME	BLK	Test	Code: E	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	PBS	Batch	ID: 20	352	R	unNo: 2	7685				
Prep Date:	7/21/2015	Analysis Da	ate: 7/	22/2015	S	eqNo: 8	31825	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	ND	5.0								
Surr: BFB		910		1000		91.3	75.4	113			
Sample ID	LCS-20352	SampT	ype: LC	s	Tes	Code: E	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	LCSS	Batch	ID: 20	352	R	tunNo: 2	7685				
Prep Date:	7/21/2015	Analysis D	ate: 7/	22/2015	S	eqNo: 8	31826	Units: mg/h	⟨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	99.3	79.6	122			
Surr: BFB		970		1000		97.5	75.4	113			
Sample ID	1507889-001AMS	SampT	ype: MS	3	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	е	
Client ID:	Trunk P Bottom	Batch	ID: 20	352	F	RunNo: 2	7685				
Prep Date:	7/21/2015	Analysis D	ate: 7/	22/2015	8	SeqNo: 8	31834	Units: mg/l	K g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	26	4.7	23.67	0	108	62.5	151			
Surr: BFB		910		947.0		95.9	75.4	113			
Sample ID	1507889-001AMSI	SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	е	
Client ID:	Trunk P Bottom	Batch	ID: 20	352	F	RunNo: 2	7685				
Prep Date:	7/21/2015	Analysis D	ate: 7/	22/2015	S	SeqNo: 8	31835	Units: mg/l	K g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	25	4.7	23.63	0	106	62.5	151	1.79	22.1	
Surr: BFB		910		945.2		96.7	75.4	113	0	0	

Qualifiers:

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

Page 5 of 6

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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1507889

29-Jul-15

Client:

Williams Field Services

Project:

Trunk P

Sample ID MB-20352	SampType: MB	BLK	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch ID: 203	352	R	unNo: 2	7685				
Prep Date: 7/21/2015	Analysis Date: 7/2	22/2015	S	eqNo: 8	31843	Units: mg/K	g		
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	0.95	1.000		94.6	80	120			
Sample ID LCS-20352	SampType: LC	S	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 203	352	R	unNo: 2	7685				
Prep Date: 7/21/2015	Analysis Date: 7/2	22/2015	S	eqNo: 8	31844	Units: mg/K	g		
Analyte	Result POI	SPK value	SPK Ref Val	%REC	Lowl imit	Highl imit	%RPD	RPDI imit	Qual

1										
Client ID: LCSS	Batch	ID: 20	352	R	RunNo: 2	7685				
Prep Date: 7/21/2015	Analysis D	Analysis Date: 7/22/2015 SeqNo: 831844 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	102	76.6	128			
Toluene	0.95	0.050	1.000	0	94.9	75	124			
Ethylbenzene	0.98	0.050	1.000	0	98.3	79.5	126			
Xylenes, Total	3.0	0.10	3.000	0	99.8	78.8	124			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Sample ID 1507889-002AM	S SampT	ype: MS	3	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: Trunk P Side W	alls Batch	ID: 20	352	R	RunNo: 2	7685				
Prep Date: 7/21/2015	Analysis D	ate: 7/	22/2015	S	SeqNo: 8	31852	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.047	0.9452	0	109	69.6	136			
Toluene	1.0	0.047	0.9452	0.009763	107	76.2	134			
Ethylbenzene	1.0	0.047	0.9452	0	109	75.8	137			
Xylenes, Total 3.1 0.095 2.836 0.01996 107 78.9 133										
Surr: 4-Bromofluorobenzene	0.94		0.9452		99.7	80	120			

Sample ID 1507889-002AMSI	D SampType	e: MS	D	Test	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: Trunk P Side Wal	Is Batch ID	203	352	R	RunNo: 2	7685				
Prep Date: 7/21/2015	Analysis Date	e: 7/2	22/2015	S	SeqNo: 8	31853	Units: mg/K	(g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1 0	.047	0.9470	0	113	69.6	136	4.16	20	
Toluene	1.1 0	.047	0.9470	0.009763	112	76.2	134	5.22	20	
Ethylbenzene	1.1 0	.047	0.9470	0	117	75.8	137	7.83	20	
Xylenes, Total	3.3 0	.095	2.841	0.01996	115	78.9	133	7.60	20	
Surr: 4-Bromofluorobenzene	1.0		0.9470		106	80	120	0	0	

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 6 of 6

P Sample pH Not In Range

RL Reporting Detection Limit



4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

WILLIAMS FIELD SERVI Work Order Number: 1507889 RcptNo: 1 Client Name: Received by/date: ame Show Logged By: **Anne Thorne** 7/21/2015 6:55:00 AM Completed By: **Anne Thorne** Reviewed By: Chain of Custody Yes No 🗌 Not Present 1. Custody seals intact on sample bottles? Yes V No 🗌 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In Yes 🗸 No 🗌 NA 🗌 4. Was an attempt made to cool the samples? No 🗌 NA 🗌 5. Were all samples received at a temperature of >0° C to 6.0°C Yes V No \square Yes V 6. Sample(s) in proper container(s)? No [Yes V 7. Sufficient sample volume for indicated test(s)? No 🗌 Yes V 8. Are samples (except VOA and ONG) properly preserved? No 🗸 NA 🗌 9. Was preservative added to bottles? Yes No No VOA Vials 10. VOA vials have zero headspace? Yes No V Yes 11. Were any sample containers received broken? # of preserved bottles checked for pH: Yes V No L 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? 13. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🗌 Yes 🗸 No 🗌 14 is it clear what analyses were requested? No 🗌 Checked by: 15. Were all holding times able to be met? Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) NA V 16. Was client notified of all discrepancies with this order? Yes No 🗌 Person Notified: Date By Whom: Via: eMail Phone Fax In Person Regarding: **Client Instructions:** 17. Additional remarks: 18. Cooler Information Cooler No | Temp °C | Condition | Seal Intact | Seal No Seal Date Signed By 1.3 Good Yes

C	hain-	of-Cu	stody Record	Turn-Around	Time:						IAI	. 1	E	MV	TE	0	NI P	ИF	NTA	L E	
Client:	WFS	5		Standard	□ Rush		-												TO		
	7070			Project Name										ironr				14			
Mailing	Address	: 182	10 11000	TRU	NKP			49	01 H	awki								109			
B100	DAFICE	Landar	CR 4900 m 87413	Project #:						5-34					-		4107				
Phone:	H. 600	~ >10	- 7433						J. 00	0-0-	0.00	- Table 1888	The second second	sis		DISCORD	100				
email o	r Fax#:K	dsei.c	hristouseNavillia	Project Mana	ger:			ly)	Q					(4)						TT	
	Package:	70-170	54				TMB's (8021)	ls on	1-AFR			(S)		4,SC	PCB's						
□ Stan	dard		☐ Level 4 (Full Validation)	Kelsc	1 Chr	:StGNSCN	8) 87	(Ga	RO			SIMS)		8	2 PC						
Accredi		_ 0.1		Sampler:	regard Ki	: Stansen H: or Mike State No	1	TH	0/0	F.	=	8270		8	8082						or N)
□ NEL		☐ Othe	r	On Ice	X Yes	□ No 3	+	+	3RC	418	504	or 8,	S	20	es/		OA	a			(Y or
□ EDD	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO /-WRG)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	2 h londe			Air Bubbles (
7/11/10	10.50	50:1	TRUNK P BOHOM	1 1/02		1507889 -001	X	B	X	Ė	回	Δ)	N.	Ā	80	8	82	X	+	+	A
116115	1045	- 1	TRUNK P	1-402		-602	X		X		\dashv							1		++	_
16/10	1045	5011	3.7 e 00/15	1-402		W2	/		/\		\dashv							4		+-+	_
				-							\dashv						-	H	_	+	_
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Date:	Time:	Polinguish	ad by	Received by:		Date Time	Por	nark	e. 												_
7-17-15	Time: 6:50	M	ke Stable	Mim	Lecin	7-17-15-06:53	1	i iai N	٥.												
	Time:	Relinquish		Received by:	, 1	Date Time	1														
Date:	2:00	mo	y Fillian	1 Must	ne Wall	Le 7/24/1× 1800															_

OIL CONS. DIV DIST. 3

AUG 03 2015

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410 District IV

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

Form C-141 Revised August 8, 2011

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

1220 S. St. Fran	eis Dr., Santa	a Fe, NM 8750:	5	Sa	anta Fe	, NM 875	05							
			Rele	ease Notific	cation	and Co	rrective A	ction						
						OPERAT	OR		☐ Initia	al Report	Final Report			
Name of Co	mpany W	illiams Fou	r Corners	LLC	(Contact	Monica Sando	oval		и пероп	Z mai report			
		00, Bloomfi	eld, NM	87413			lo. 505-632-46							
Facility Nan	ne 32-9 C	DP]	Facility Typ	e Compressor	Station						
Surface Ow	ner Privat	te Land		Mineral C)wner	er API No.								
				LOCA	ATION	OF REI	EASE							
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	West Line County					
L	14	31N	10W							San Juan				
				Latitude 36.89	9597° N	Longitude	107.86047° W	_						
				NAT	URE	OF RELI	EASE							
Type of Relea							Release 7,050 M			Recovered 0				
Source of Rel	ease Press	ure Relief Va	lve				our of Occurrenc , 08:00 AM MST			Hour of Disc 5, 08:00 AM				
Was Immedia	te Notice (Given?				If YES, To			07/27/201	15, 00.00 AIV	IVIST			
		\boxtimes	Yes	No Not Re	equired	Brandon Po	owell, NMOCD							
By Whom?	Kelsey Chr	ristiansen			Date and H	our 07/27/15 at	12:00 A	M MST						
Was a Watero	-						lume Impacting t							
			Yes 🗵	No										
If a Watercou	rse was Im	pacted, Descr	ibe Fully.	k										
Not Applicab	le													
Describe Cau	se of Proble	em and Reme	dial Actio	n Taken.*										
				wn on July 25 th , 2 in the loss of app							pen until the valve			
immediately u			resulting	in the loss of app	TOXIIIate	1y 7,030 MC	of natural gas v	cincu to	aunospiici	c. varve was	ciosed			
Describe Area	a Affected	and Cleanup	Action Tal	cen.*										
No cleanup re	equired with	h natural gas i	elease ver	ited to atmosphere	e.									
				is true and comp										
				nd/or file certain r ce of a C-141 repo										
				investigate and r										
				tance of a C-141	report do	oes not relieve	e the operator of	responsi	bility for co	ompliance wi	th any other			
federal, state,	or local lav	ws and/or regu	ilations.				OIL CONS	SERV	ATION	DIVISIO	N/A			
	0.						OIL COIN	JLIC V	MIION	7				
dela	my Che	when							//.	m/	X b			
	9				<i>I</i>	Approved by	Environmental S ₁	pecialist		10				
Signature:										\mathcal{O}				
Printed Name	: Kelsey C	Christiansen					- 1 1							
Title: Enviro	nmental S	pecialist			F	Approval Dat	8/12/15	I	Expiration 1	Date:				
E-mail Addre			williams.	com		Conditions of	7/							
										Attached				
Date: July 29	,2013		rnone	e: 505-632-4606										

* Attach Additional Sheets If Necessary

AUG 03 2015

<u>District I</u> 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

Revised August 8, 2011

Form C-141

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												
						OPERAT] Initia	al Report	\boxtimes	Final Report
Name of Co Address: 18						Contact: Jan		051				
Facility Nar		,				Facility Typ	No.: (505) 634-4 e: Facility	931				
Surface Ow				Mineral C		J 11			API No			
Surface Ow	ner. willia	11115				. OF PEI	EACE		HINO			
Unit Letter	Section	Township	Range	Feet from the		OF REI	Feet from the	East/Wes	st Line	County		
0	12	29N	11W							San Juan		
			L	atitude <u>36.735</u>				W				
Type of Release: Natural Gas NATURE OF RELEASE Volume of Release: 643 MCF Volume Recovered: 0 MCF Natural Gas												
Type of Relea	ase: Natural	Gas				Natural Ga		FV	olume R	(ecovered: 0	MCF I	Natural Gas
Source of Re	lease: ESD	(Natural Gas)			our of Occurrence at 04:00 PM MS			Hour of Disc 5 at 04:00 P				
Was Immedia	ate Notice C			N D N D			Whom? Brandon					
D 1111 0 1	r i ci i		Yes _	No Not Re	equired		0.0000000000000000000000000000000000000	12.00.13	() () ()			
By Whom? I Was a Water							our: 07/27/2015 a lume Impacting the					
Traba trater			Yes 🛛	No		11 120, 10	rame impacting to	ne watered	, and o			
If a Watercou	irse was Imp	pacted, Descri	ibe Fully.*									
N/A												
Describe Cau	ise of Proble	em and Remed	dial Action	Taken.*								
	en #2. As a	result of the E		ergency shutdown MCF of natural ga								
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*								
No clean-up	required fo	or natural gas	release vei	nted to atmospher	e.							
regulations al public health should their of or the environ	I operators or the envir operations had nment. In a	are required to conment. The ave failed to a ddition, NMO	acceptance acceptance adequately OCD accep	is true and comp d/or file certain rue of a C-141 repo investigate and ru tance of a C-141	elease no ort by the emediate	tifications ar NMOCD ma contamination	nd perform correct arked as "Final Re on that pose a thre	tive actions eport" does eat to groun	s for rele not reli nd water	eases which reve the operation, surface wat	may en ator of ter, hur	danger liability nan health
Signature: OIL CONSERVATION DIVISION Approved by Environmental Specialist:											\$	
Printed Name	: Kelsey Cl	nristiansen										
Title: Environ	nmental Spe	ecialist				Approval Dat	e: 8/12/1	5 Exp	oiration l	Date:		
E-mail Addre	ess: kelsey.c	hristiansen@v	williams.c	om		Conditions of	Approval:			Attached		
Date: 07/29/2015 Phone: (505) 632-4606 * Attach Additional Sheets If Necessary 1 Program 1 Program 2 Prog												

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

State of New Mexico Energy Minerals and Natural Resources

AUG 2 1 2015

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rele	ease Notifi	cation	and Co	rrective A	ction								
						OPERA			Initial	al Report	\boxtimes	Final Report				
		illiams Four				Contact	Kelsey Christ									
Facility Nar		00, Bloomfie Hale 9E	eid, Nivi	8/413		Facility Typ	No. 505-632-46 e Pipeline	006								
						t definey 1 y p	· Tipellile		LADINI							
Surface Ow	ner Burea	u of Land M	anageme	ent Mineral (Jwner	ner API No.										
						OF REI	LEASE									
Unit Letter C	Section 15	Township 26N	Range 8W	Feet from the	North/	North/South Line Feet from the East/West Line County San Juan										
Latitude 36.49119° N Longitude -107.67215° W NATURE OF RELEASE																
Type of Release Produced Water from Pipeline Volume of Release Estimated 5 BBLs Volume Recov																
Source of Re	lease Pinho	ole			Date and H	our of Occurrenc , 01:30 PM MST			Hour of Disc 5, 01:30 PM							
Was Immedia	ate Notice (Yes [No Not R	tequired	If YES, To										
By Whom?						Date and H										
Was a Water	course Read		Yes 🗵	No		If YES, Volume Impacting the Watercourse.										
If a Watercou Not Applicab		pacted, Descri	be Fully.	k												
While perfo	orming repa	e pipeline and	Hale 9E an enviro	pipeline William	nent occur	rred in conjui	npacted soil from action with excav									
Environment cleanup stand	tal assessme	et. Samples we	conjunct	ion with excavat	arameters	; Benzene, To	il. Confirmation soluene, Ethylbenze attached.									
regulations a public health should their or or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to a	acceptand acceptand dequately CD accep	nd/or file certain ce of a C-141 rep investigate and	release no ort by the remediate	otifications and NMOCD me contaminati	knowledge and und perform correct arked as "Final Roon that pose a three the operator of	ctive acti eport" de eat to gr	ons for rele oes not rele ound water	eases which leve the oper r, surface wa	may end ator of ter, hun	danger liability nan health				
	y Chro					Annroved by	OIL CON			DIVISIO	N					
Signature:						Approved by Environmental Specialist:										
Printed Name	e: Kelsey (Christiansen					-11									
Title: Enviro	onmental S	pecialist				Approval Dat	e: 9/2/15		Expiration	Date:						
E-mail Addre	ess: kelsey.	.christiansen@	williams.	com		Conditions of	`Approval:			Attached						
Date:	08/18/2015		P	hone: 505-632-4	606											

* Attach Additional Sheets If Necessary

#NCS 1524538849



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

August 17, 2015

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

FAX

RE: CON Hale #2E OrderNo.: 1508675

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/14/2015 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 www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data 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 Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1508675

Date Reported: 8/17/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: CON Hale #2E Bottom Comp Sit

Project: CON Hale #2E

Collection Date: 8/13/2015 1:30:00 PM

Lab ID: 1508675-001

Matrix: SOIL Received Date: 8/14/2015 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	8/14/2015 12:15:37 PM	20806
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/14/2015 11:13:17 AM	R28204
Surr: BFB	104	70-130	%REC	1	8/14/2015 11:13:17 AM	R28204
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	3			Analyst	KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/14/2015 10:36:49 AM	20793
Surr: DNOP	100	57.9-140	%REC	1	8/14/2015 10:36:49 AM	20793
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	DJF
Benzene	ND	0.049	mg/Kg	1	8/14/2015 11:13:17 AM	R28204
Toluene	ND	0.049	mg/Kg	1	8/14/2015 11:13:17 AM	R28204
Ethylbenzene	ND	0.049	mg/Kg	1	8/14/2015 11:13:17 AM	R28204
Xylenes, Total	ND	0.098	mg/Kg	1	8/14/2015 11:13:17 AM	R28204
Surr: 1,2-Dichloroethane-d4	97.0	70-130	%REC	1	8/14/2015 11:13:17 AM	R28204
Surr: 4-Bromofluorobenzene	104	70-130	%REC	1	8/14/2015 11:13:17 AM	R28204
Surr: Dibromofluoromethane	112	70-130	%REC	1	8/14/2015 11:13:17 AM	R28204
Surr: Toluene-d8	95.8	70-130	%REC	1	8/14/2015 11:13:17 AM	R28204

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

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 Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508675

17-Aug-15

Client:

Williams Field Services

Project:

CON Hale #2E

Sample ID MB-20806

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 20806

RunNo: 28219

Prep Date:

8/14/2015

SeqNo: 850587

Analyte

Analysis Date: 8/14/2015

%REC LowLimit

Units: mg/Kg

HighLimit

%RPD **RPDLimit** Qual

Chloride

PQL 1.5

SampType: LCS

TestCode: EPA Method 300.0: Anions RunNo: 28219

Client ID: LCSS 8/14/2015

Sample ID LCS-20806

Batch ID: 20806

Prep Date:

Analysis Date: 8/14/2015

SeqNo: 850588

Units: mg/Kg

Analyte

1.5

%RPD **RPDLimit**

Qual

15.00

SPK value SPK Ref Val

SPK value SPK Ref Val %REC

95.7

90

LowLimit

Chloride

14

Result

ND

0

HighLimit 110

Qualifiers:

R

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

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1508675

17-Aug-15

Client:

Williams Field Services

Project:

CON Hale #2E

Sample ID MB-20793	SampType: MBL	(Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics				
Client ID: PBS	Batch ID: 20793		F	RunNo: 28	3190							
Prep Date: 8/14/2015	Analysis Date: 8/14/	2015	SeqNo: 849641 U			Units: mg/K	mg/Kg					
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	ND 10											
Surr: DNOP	11	10.00		105	57.9	140						
Sample ID LCS-20793	SampType: LCS		Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics				
Client ID: LCSS	Batch ID: 20793		F	RunNo: 2	8190							
Prep Date: 8/14/2015	Analysis Date: 8/14/	2015	8	SeqNo: 84	49645	Units: mg/K	g					
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	48 10	50.00	0	96.5	57.4	139						
Surr: DNOP	5.0	5.000		99.3	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

Page 3 of 6

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

Hall Environmental Analysis Laboratory, Inc.

WO#: 1508675

17-Aug-15

Client:

Williams Field Services

Sample ID rb	SampT	уре: МЕ	BLK	Tes	Code: El	PA Method	8260B: Volat	tiles Short	List		
Client ID: PBS	Batcl	h ID: R2	8204	R	RunNo: 2	8204					
Prep Date:	Analysis D	Date: 8/	14/2015	S	SeqNo: 8	52314	Units: mg/K	(g			
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: 1,2-Dichloroethane-d4	0.49		0.5000		97.8	70	130				
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130				
Surr: Dibromofluoromethane	0.54		0.5000		107	70	130				
Surr: Toluene-d8	0.49		0.5000		98.6	70	130				
Sample ID 100ng Ics SampType: LCS TestCode: EPA Method 8260B: Volatiles Short List											
Client ID: LCSS		h ID: R2		RunNo: 28204							
Prep Date:	Analysis D	Date: 8/	14/2015	S	SeqNo: 852315 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.0	0.050	1.000	0	104	70	130				
Toluene	1.0	0.050	1.000	0	100	70	130				
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.1	70	130				
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130				
Surr: Dibromofluoromethane	0.58		0.5000		116	70	130				
Surr: Toluene-d8	0.47		0.5000		94.3	70	130				
Sample ID 1508675-001a	ms SampT	Гуре: М	3	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List		
Sample ID 1508675-001al Client ID: CON Hale #2E		Гуре: MS			tCode: El		8260B: Vola	tiles Short	List		
		h ID: R2	8204	F		8204	Units: mg/K		List		
Client ID: CON Hale #2E	E Botto Batch	h ID: R2	8204 14/2015	F	RunNo: 2	8204			RPDLimit	Qual	
Client ID: CON Hale #2E Prep Date: Analyte	E Botto Batcl Analysis D	h ID: R2	8204 14/2015	F	RunNo: 28 BeqNo: 8	8204 52316	Units: mg/k	(g		Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene	E Botto Batcl Analysis D Result	h ID: R2 Date: 8/	8204 14/2015 SPK value	SPK Ref Val	RunNo: 28 SeqNo: 8 %REC	8204 52316 LowLimit	Units: mg/F	(g		Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene	Analysis D Result 1.1	PQL 0.049	8204 14/2015 SPK value 0.9843	SPK Ref Val	RunNo: 28 SeqNo: 8 %REC 111	8204 52316 LowLimit 70	Units: mg/K HighLimit	(g		Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene	Analysis D Result 1.1	PQL 0.049	8204 14/2015 SPK value 0.9843 0.9843	SPK Ref Val	RunNo: 28 SeqNo: 88 %REC 111 104	8204 52316 LowLimit 70 65	Units: mg/K HighLimit 130 138	(g		Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene	Analysis D Result 1.1 1.0 0.56	PQL 0.049	8204 14/2015 SPK value 0.9843 0.9843 0.4922 0.4922	SPK Ref Val	RunNo: 26 SeqNo: 88 **REC 111 104 114 96.5	8204 52316 LowLimit 70 65 70 70	Units: mg/k HighLimit 130 138 130 130	(g		Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4	Result 1.1 1.0 0.56 0.47	PQL 0.049	8204 14/2015 SPK value 0.9843 0.9843 0.4922	SPK Ref Val	RunNo: 26 SeqNo: 8 %REC 111 104 114	8204 52316 LowLimit 70 65 70	Units: mg/K HighLimit 130 138 130	(g		Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane	Result 1.1 1.0 0.56 0.47 0.62 0.47	PQL 0.049	8204 14/2015 SPK value 0.9843 0.9843 0.4922 0.4922 0.4922 0.4922	SPK Ref Val 0 0	RunNo: 2: SeqNo: 8: %REC 111 104 114 96.5 126 95.4	8204 52316 LowLimit 70 65 70 70 70 70	Units: mg/k HighLimit 130 138 130 130 130	Kg %RPD	RPDLimit	Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8	Result 1.1 1.0 0.56 0.47 0.62 0.47	PQL 0.049	8204 14/2015 SPK value 0.9843 0.9843 0.4922 0.4922 0.4922 0.4922	SPK Ref Val 0 0	RunNo: 2: SeqNo: 8: %REC 111 104 114 96.5 126 95.4	8204 52316 LowLimit 70 65 70 70 70 70 PA Method	Units: mg/k HighLimit 130 138 130 130 130 130	Kg %RPD	RPDLimit	Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID 1508675-001a	Result 1.1 1.0 0.56 0.47 0.62 0.47	PQL 0.049 0.049	8204 14/2015 SPK value 0.9843 0.9843 0.4922 0.4922 0.4922 0.4922	SPK Ref Val 0 0	RunNo: 2: SeqNo: 8: %REC 111 104 114 96.5 126 95.4	8204 52316 LowLimit 70 65 70 70 70 70 PA Method 8204	Units: mg/k HighLimit 130 138 130 130 130 130	%RPD	RPDLimit	Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID 1508675-001a Client ID: CON Hale #2E	Result 1.1 1.0 0.56 0.47 0.62 0.47 msd SampT E Botto Batcl	PQL 0.049 0.049	8204 14/2015 SPK value 0.9843 0.9843 0.4922 0.4922 0.4922 8D 8204	SPK Ref Val 0 0	RunNo: 2: SeqNo: 8: %REC 111 104 114 96.5 126 95.4 tCode: El	8204 52316 LowLimit 70 65 70 70 70 70 PA Method 8204	Units: mg/k HighLimit 130 138 130 130 130 130 8260B: Volate	%RPD	RPDLimit	Qual	
Client ID: CON Hale #2E Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID 1508675-001a Client ID: CON Hale #2E Prep Date:	Result 1.1 1.0 0.56 0.47 0.62 0.47 mmsd Samp T E Botto Batcl	PQL 0.049 0.049 Type: MS h ID: R2	8204 14/2015 SPK value 0.9843 0.9843 0.4922 0.4922 0.4922 8D 8204	SPK Ref Val 0 0	RunNo: 2: SeqNo: 8: %REC 111 104 114 96.5 126 95.4 tCode: El	8204 52316 LowLimit 70 65 70 70 70 70 PA Method 8204 52317	Units: mg/k HighLimit 130 138 130 130 130 130 130 Units: mg/k	%RPD	RPDLimit		

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Page 4 of 6

Sample pH Not In Range

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1508675

17-Aug-15

Client:

Williams Field Services

Project:

CON Hale #2E

			_								
Sample ID 1508675-001ams	d SampT	ype: MS	SD	Test	tCode: El	PA Method	8260B: Vola	tiles Short	List		
Client ID: CON Hale #2E Bo	otto Batch	ID: R2	8204	RunNo: 28204							
Prep Date:	Analysis D	ate: 8/	14/2015	S	52317	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 1,2-Dichloroethane-d4	0.54		0.4922		110	70	130	0	0		
Surr: 4-Bromofluorobenzene	0.49		0.4922		99.6	70	130	0	0		
Surr: Dibromofluoromethane	0.59		0.4922		120	70	130	0	0		
Surr: Toluene-d8	0.45		0.4922		92.2	70	130	0	0		

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1508675

17-Aug-15

Client:

Williams Field Services

Project:

CON Hale #2E

3	seconds and account												
Sample ID rb1	SampType:	MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range										
Client ID: PBS	Batch ID:	R28204	R										
Prep Date:	Analysis Date:	ate: 8/15/2015 SeqNo: 852409 U					Units: mg/Kg						
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	ND 5	5.0											
Surr: BFB	490	500.0		98.5	70	130							
Sample ID 2.5ug gro Ics	SampType:	SampType: LCS TestCode: EPA Method 8015D Mod: G											
Client ID: LCSS	Batch ID: R28204 RunNo: 28204												

Client ID: LCSS	Batch	n ID: R2	8204	F	RunNo: 2	8204						
Prep Date:	Analysis D	ate: 8/	14/2015	8	SeqNo: 8	52410	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	70	123					
Surr: BFB	490		500.0		97.6	70	130					

Qualifiers:

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

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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

Client Name: WILLIAMS FIELD SERVI Work Order Number	er: 1508675		RcptNo: 1	
Received by/date: AC 08/14/15				
Logged By: Anne Thorne 8/14/2015 7:00:00 Al	M	anne Am		
Completed By: Anne Thorne 8/14/2015		ann Am	_	
Reviewed By: Og 1416		Olara Jor and		
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			
<u>Log In</u>				
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 🗆	NA 🗆	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?	Yes	No 🗹	NA 🗆	
10.VOA vials have zero headspace?	Yes	No 🗆	No VOA Vials	
11. Were any sample containers received broken?	Yes	No 🗸	Madana and	
	_		# of preserved bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗸	No 🗆	for pH: (<2 or >12 unless noted	i)
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?	Yes 🗸	No 🗆	Checked by:	
(If no, notify customer for authorization.)				
Consid Handling (If applicable)				
Special Handling (if applicable) 16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗆	NA ☑	
AND THE PROPERTY OF THE PROPER	100	NO L		
Person Notified: Date	L			
By Whom: Via:	eMail	Phone Fax	In Person	
Regarding: Client Instructions:	,	are the configuration and self-the colors are a	The second second	
17. Additional remarks:		*		
18. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By		
1 3.0 Good Yes				

Client:		Turn-Around Time:						ŀ	ΗA	LL	E	NV	IF	30	NI	ЧE	NT	ΓAL			
Client:	WF	5		□ Standard	© Rush	8-14-15-			F											OR	
				Project Name	9:				1							tal.co					
Mailing	Address	: 188	CR 4900	Project Name	4610 #2	-E		49	01 H	lawk	ins l	NE -	Alb	uqu	erqu	e, N	M 87	109			
BI	DOM	Field	Nm 87413	Project #:				Te	el. 50	5-34	45-3	975	F	-ax	505-	345	-410	7			
			-7433									A	naly	ysis	Req	uest	t				
			Christonsen a vidines.	Project Mana	iger:			(ylu	ĝ					04)							
	Package:		ě,		,-		021	IS OI	*			(S		4,80	PCB's						
☐ Stan	ndard		☐ Level 4 (Full Validation)	KE15er	Christa	NSCN	HMB's (8021)	TPH (Gas only)	DRO / MRO)			SIMS)		Anions (F,CI,NO3,NO2,PO4,SO4)	2 PC						
Accred							₩ R	표	/ Di	=	£.	8270		NO	8081 Pesticides / 8082						Ê
□ NEL	AP	□ Othe	er	On Ice:	∀ Yes	//.ò~ □ No	+	+	RO	118	504		S	03,	18/		(A)				0
□ EDD	(Type)			Sample Temperature: 3 (LBE	3 (G	po v	po	0 0	etal	N,	cide	F	i-V	de		1	2
	Date Time Matrix Sample Request II			Container	Procentative		BTEX + MTBE	BTEX + MTBE	TPH 8015B (GRO /	TPH (Method 418.1)	(Method 504.1)	PAH's (8310 or	RCRA 8 Metals	(F,	esti	8260B (VOA)	8270 (Semi-VOA)	- hluride			Air Bubbles (Y or N)
Date	Time	Matrix	Sample Request ID	Type and #	Type	HEAL No.	X	X	180	2	B (N	T,	RA	ons	1 P	80g	0 (8	7			Buk
				.,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1508175	BTE	BT	TPI	TP	EDB	PA	RC	Ani	808	826	827	0			Ą
113/15	1330	soil	BoHon COMPS:Ke	1-482	Cool	-001	1		X									Х			
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Date:	Time:	Relinquishe	ad by	Received by:		Date Time	Par	nark													
131	V	Ou .	Jego.	MI I	1	8/12/1-1100	IV.CI	IIain	٥.												
13/15 160 Moy Lellin			Passaged by	alb	113/13 /600	-															
Date:	Time:	Relinquish	su by.	Received by:		08/14/15															
Blis 2115 Christ Waller 1			ANCA	allegos	0700																
If necessary samples submitted to Hall Environmental may be subcont				ontracted to other ac	credited abbratorie	es. This serves as notice of this	s possi	bility.	Any su	b-cont	tracted	data	will be	clear	y nota	ted on	the ar	nalytica	al repo	rt.	