# **3R-1013**

# **Release Report/ General Correspondence**

# Williams SJ

# Date: Q1/Q2 2018

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised August 8, 2011

Form C-141

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

# **Release Notification and Corrective Action**

	OPERATOR	$\boxtimes$	Initial Report	$\boxtimes$	Final Report
Name of Company: Williams Four Corners LLC	Contact: Kijun Hong				
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475				
Facility Name: Primo #1	Facility Type: Pipeline				

Surface Owner: Private	Mineral Owner	BLM Project No.

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	6	31N	10W					San Juan

## Latitude <u>36.9241</u> Longitude <u>-107.9300</u>

## NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: <1.0 MCF	Volume Recovered: 0 MCF				
Source of Release: Pipeline	Date and Hour of Occurrence: 11/30/2017 @ 11:50 AM	Date and Hour of Discovery: 11/30/2017 @ 11:50 AM				
	(Exceeded reportable soil limit on 2/21/2018)	Gas loss volume determined 12/12/2017				
Was Immediate Notice Given?	If YES, To Whom? NA					
By Whom? NA	Date and Hour: NA					
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse. NA				
If a Watercourse was Impacted, Describe Fully.* NA	I	MAR 0.9 2018				
Describe Cause of Problem and Remedial Action Taken.* <b>Pipeline leak due to failure from corrosion.</b> Leak was isolated and sh	ut it.	DISTRICT III				
Describe Area Affected and Cleanup Action Taken.* Clean up completed. Initial clean up occurred 12/19/2017. Confirma further remediation. Second confirmation sample was collect on 2/20	tion sample came back with exceeda /2018, which came back clean.	nces. Williams went back to conduct				
Please see attached documentation for sample analysis reports and fu	rther details.					
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report defederal, state, or local laws and/or regulations.	he best of my knowledge and understa otifications and perform corrective act e NMOCD marked as "Final Report" of e contamination that pose a threat to g loes not relieve the operator of respons	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 ibility for compliance with any other				
Signature:	OIL CONSERVATION DIVISION Approved by Environmental Specialist:					
Printed Name: Kijun Hong		CSA				
Title: Environmental Specialist	Approval Date: 3/12/18	Expiration Date:				
E-mail Address: kijun.hong@williams.com	Conditions of Approval:					
Date: 3/5/2018     Phone: (505) 632-4475       Attach Additional Sheets If Necessary     ##WCS/807	1132797					

<b>Remediation Excavation and Sampling Form</b>						
		#				
Site Name	PRIMO	ZDP 1				
Excavation D	imensions (feet)			/		
12	Length	9' v	Vidthろ	Depth		

# **Excavation Diagram and Sample Locations**

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



**Sample Information** 

OCD Witness Sampling Yes or No Agency(s) Representative(s)

Sample ID	Sample Date	Type (Composite, Grab)	Location (Floor, Sidewall)	Comments
PRIMO . LOP- F	12-19-17	COMP	FLOOR	
PRIMO-COP-Sh	-W 12-19-17	corp	slw-WAll	
ARIMO-LOP-SE.	W 12-K-17	COMP	SIE-WALL	
PRIMO -COP-N.	E-W 12-19-17	COMP	N/E-WAll	
PRIMO-COP- N	W-W 12-19-17	LOMP	N/W-WAII	



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

January 10, 2018

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

RE: PRIMO CDP 1 Line Leak

OrderNo.: 1712C34

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 5 sample(s) on 12/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Williams Field Services		(	liont Sampl		IMO_CDP_S/W_WA	LI
CLIENT: Withanis Field Services						
<b>Project:</b> PRIMO CDP I Line Leak			Collection	<b>Date:</b> 12/	(19/2017 11:40:00 A	M
Lab ID: 1712C34-001	Matrix:	SOIL	Received I	Date: 12/	20/2017 6:30:00 AN	1
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	ND	30	mg/Kg	20	1/7/2018 12:04:41 PM	35886
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	5			Analy	st: TOM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	12/22/2017 10:50:54	PM 35673
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/22/2017 10:50:54	PM 35673
Surr: DNOP	87.9	70-130	%Rec	1	12/22/2017 10:50:54	PM 35673
EPA METHOD 8015D: GASOLINE RAN	IGE				Analy	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/22/2017 11:55:05	AM 35660
Surr: BFB	98.1	15-316	%Rec	1	12/22/2017 11:55:05	AM 35660
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Methyl tert-butyl ether (MTBE)	ND	0.096	mg/Kg	1	12/22/2017 11:55:05	AM 35660
Benzene	ND	0.024	mg/Kg	1	12/22/2017 11:55:05	AM 35660
Toluene	ND	0.048	mg/Kg	1	12/22/2017 11:55:05	AM 35660
Ethylbenzene	ND	0.048	mg/Kg	1	12/22/2017 11:55:05	AM 35660
Xylenes, Total	0.25	0.096	mg/Kg	1	12/22/2017 11:55:05	AM 35660
Surr: 4-Bromofluorobenzene	95.5	80-120	%Rec	1	12/22/2017 11:55:05	AM 35660

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

\* Qualifiers: Value exceeds Maximum Contaminant Level.

Hall Environmental Analysis Laboratory, Inc.

- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range E
  - Analyte detected below quantitation limits Page 1 of 10 J
  - Р Sample pH Not In Range
  - RL Reporting Detection Limit
  - Sample container temperature is out of limit as specified W

**Analytical Report** Lab Order 1712C34 Date Reported: 1/10/2018

<b>Analytical Report</b>
Lab Order 1712C34
Date Reported: 1/10/2018

## Hall Environmental Analysis Laboratory, Inc.

#### **CLIENT:** Williams Field Services Client Sample ID: PRIMO-CDP-S/E-WALL Project: PRIMO CDP 1 Line Leak Collection Date: 12/19/2017 11:50:00 AM Lab ID: 1712C34-002 Received Date: 12/20/2017 6:30:00 AM Matrix: SOIL . . DOI \* 1 ..... . .

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	MRA
Chloride	ND	30	mg/Kg	20	1/7/2018 1:06:44 PM	35886
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	6			Analyst	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/22/2017 11:13:13 P	M 35673
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/22/2017 11:13:13 P	M 35673
Surr: DNOP	81.5	70-130	%Rec	1	12/22/2017 11:13:13 P	M 35673
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/22/2017 1:05:26 PM	35660
Surr: BFB	94.3	15-316	%Rec	1	12/22/2017 1:05:26 PM	35660
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Methyl tert-butyl ether (MTBE)	ND	0.092	mg/Kg	1	12/22/2017 1:05:26 PM	35660
Benzene	ND	0.023	mg/Kg	1	12/22/2017 1:05:26 PM	35660
Toluene	ND	0.046	mg/Kg	1	12/22/2017 1:05:26 PM	35660
Ethylbenzene	ND	0.046	mg/Kg	1	12/22/2017 1:05:26 PM	35660
Xylenes, Total	0.12	0.092	mg/Kg	1	12/22/2017 1:05:26 PM	35660
Surr: 4-Bromofluorobenzene	94.8	80-120	%Rec	1	12/22/2017 1:05:26 PM	35660

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

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

- % Recovery outside of range due to dilution or matrix S
- ge 2 of 10
- W Sample container temperature is out of limit as specified

CLIENT: Williams Field Services		(	lient Sampl	e ID: PR	IMO-CDP-N/W-WA	LL
Project: PRIMO CDP 1 Line Leak Collection Date: 12/19/2017 12:00:00 PM						
Lab ID: 1712C34-003	Matrix:	SOIL	Received	Date: 12/	20/2017 6:30:00 AM	
Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	1/7/2018 1:19:09 PM	35886
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	5			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	12/22/2017 11:35:05 F	PM 35673
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/22/2017 11:35:05 F	PM 35673
Surr: DNOP	79.6	70-130	%Rec	1	12/22/2017 11:35:05 F	PM 35673
EPA METHOD 8015D: GASOLINE RAN	IGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/22/2017 1:29:08 PM	A 35660
Surr: BFB	89.3	15-316	%Rec	1	12/22/2017 1:29:08 PM	A 35660
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Methyl tert-butyl ether (MTBE)	ND	0.10	mg/Kg	1	12/22/2017 1:29:08 PM	A 35660
Benzene	ND	0.025	mg/Kg	1	12/22/2017 1:29:08 PM	A 35660
Toluene	ND	0.050	mg/Kg	1	12/22/2017 1:29:08 PM	A 35660
Ethylbenzene	ND	0.050	mg/Kg	1	12/22/2017 1:29:08 PM	A 35660
Xylenes, Total	ND	0.10	mg/Kg	1	12/22/2017 1:29:08 PM	A 35660
Surr: 4-Bromofluorobenzene	97.8	80-120	%Rec	1	12/22/2017 1:29:08 PM	A 35660

# Hall Environmental Analysis Laboratory, Inc.

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

		e que summing report une sumpre regin entermis	t for mage	Sea de ana preservation information
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

## **Analytical Report** Lab Order 1712C34 Date Reported: 1/10/2018

W Sample container temperature is out of limit as specified

CLIENT:	Williams Field Services			Client S	ample ID: PR	IMO-CDP-N/E-WAL	L		
Project:	PRIMO CDP 1 Line Leak			Collec	tion Date: 12/	19/2017 12:10:00 PM	1		
Lab ID:	1712C34-004	Matrix: SOIL			Received Date: 12/20/2017 6:30:00 AM				
Analyses		Result	PQL Q	ual Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS					Analys	t: MRA		
Chloride		ND	30	mg/Kg	20	1/7/2018 1:31:33 PM	35886		
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: TOM		
Diesel Ra	ange Organics (DRO)	270	10	mg/Kg	g 1	12/22/2017 11:57:11 P	M 35673		
Motor Oil	Range Organics (MRO)	64	50	mg/Kg	<b>j</b> 1	12/22/2017 11:57:11 P	M 35673		
Surr: D	NOP	97.0	70-130	%Rec	1	12/22/2017 11:57:11 P	M 35673		
EPA MET	HOD 8015D: GASOLINE RANG	GE				Analys	t: NSB		
Gasoline	Range Organics (GRO)	8400	960	mg/Kg	200	12/22/2017 1:52:39 PM	35660		
Surr: E	BFB	155	15-316	%Rec	200	12/22/2017 1:52:39 PM	35660		
EPA MET	HOD 8021B: VOLATILES					Analys	t: NSB		
Methyl te	rt-butyl ether (MTBE)	ND	1.9	mg/Kg	20	12/22/2017 11:31:34 A	M 35660		
Benzene		14	0.48	mg/Kg	20	12/22/2017 11:31:34 A	M 35660		
Toluene		160	9.6	mg/Kg	200	12/22/2017 1:52:39 PM	35660		
Ethylbenz	zene	30	0.96	mg/Kg	20	12/22/2017 11:31:34 A	M 35660		
Xylenes,	Total	330	19	mg/Kg	200	12/22/2017 1:52:39 PN	35660		
Surr: 4	-Bromofluorobenzene	136	80-120	S %Rec	20	12/22/2017 11:31:34 A	M 35660		

Refe	er to th	e QC Summary report and sample login checklis	t for flag	ged QC data and preservation information
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blan
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits De-
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- nk
- ge 4 of 10
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

## **Analytical Report** Lab Order 1712C34 Date Reported: 1/10/2018

Analytical Report	
Lab Order 1712C34	
Date Reported: 1/10/2018	;

1/7/2018 1:43:58 PM

12/23/2017 12:19:07 AM 35673

12/23/2017 12:19:07 AM 35673

12/23/2017 12:19:07 AM 35673

12/22/2017 2:16:10 PM 35660

12/22/2017 2:16:10 PM

12/22/2017 2:16:10 PM

20

1

1

1

1

1

1

1

1

1

1

1

Analyst: MRA

Analyst: TOM

Analyst: NSB

Analyst: NSB

35660

35660

35886

## Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 300.0: ANIONS

**Diesel Range Organics (DRO)** 

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Methyl tert-butyl ether (MTBE)

Surr: 4-Bromofluorobenzene

**EPA METHOD 8015D: GASOLINE RANGE** 

Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch
Lab ID:	1712C34-005	Matrix:	SOIL		Received	Date: 12/	20/2017 6:30:00 AN	1
<b>Project:</b>	PRIMO CDP 1 Line Leak				Collection	Date: 12/	/19/2017 11:30:00 A	М
CLIENT:	Williams Field Services			C	lient Samp	ole ID: PR	IMO-CDP-Floor	

30

9.5

48

4.7

70-130

15-316

0.093

0.023

0.047

0.047

0.093

80-120

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

ND

ND

ND

77.8

ND

82.2

ND

ND

ND

ND

ND

95.6

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

Qualifiers	*	Value exceeds Maximum Contaminant	Level
Quanners.		value exceeds Maximum Containmant	Level.

- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 5 of 10 J
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Client: Williams Field Services Project: PRIMO CDP 1 Line Leak

Sample ID MB-35886	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Prep Date: 1/6/2018	Analysis Date: 1/6/2018	SeqNo: 1550535	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-35886	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-35886 Client ID: LCSS	SampType: Ics Batch ID: <b>35886</b>	TestCode: EPA Method RunNo: 48277	300.0: Anions	
Sample ID LCS-35886 Client ID: LCSS Prep Date: 1/6/2018	SampType: Ics Batch ID: 35886 Analysis Date: 1/6/2018	TestCode: EPA Method RunNo: 48277 SeqNo: 1550536	300.0: Anions Units: mg/Kg	
Sample ID LCS-35886 Client ID: LCSS Prep Date: 1/6/2018 Analyte	SampType: Ics Batch ID: 35886 Analysis Date: 1/6/2018 Result PQL SPK value	TestCode: <b>EPA Method</b> RunNo: <b>48277</b> SeqNo: <b>1550536</b> SPK Ref Val %REC LowLimit	<b>300.0: Anions</b> Units: <b>mg/Kg</b> HighLimit %RPD	RPDLimit Qual

## Qualifiers:

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

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WO#: 1712C34

10-Jan-18

WO#: 1712C34

10-Jan-18

Chem:	w mams ri	ield Servic	es										
Project:	PRIMO CE	OP 1 Line I	eak										
Sample ID LCS	LCS-35673 SampType: LCS					TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCS	S	Batch ID: 35673			R	RunNo: <b>47979</b>							
Prep Date: 12/2	2 <b>1/2017</b> A	nalysis Date	e: 1:	2/22/2017	S	eqNo: 1	537230	Units: mg/K	g				
Analyte	)	Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organic	s (DRO)	47	10	50.00	0	93.6	73.2	114					
Surr: DNOP		4.7		5.000		94.5	70	130					
the local division of		SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics											
Sample ID MB-3	35673	SampTyp	e: Me	BLK	Test	Code: El	PA Method	8015 <mark>M</mark> /D: Die	esel Range	e Organics			
Sample ID MB-3 Client ID: PBS	35673	SampTyp Batch II	e: ME	3LK 673	Test	Code: El	PA Method 7979	8015 <mark>M</mark> /D: Die	esel Range	e Organics			
Sample ID MB-3 Client ID: PBS Prep Date: 12/2	<b>35673</b> 21/2017 A	SampTyp Batch II nalysis Date	e: ME ): 35 e: 12	3LK 673 2/22/2017	Tesi R S	Code: El unNo: 4 eqNo: 1	PA Method 7979 537231	8015M/D: Die Units: mg/K	esel Rango	e Organics			
Sample ID MB-3 Client ID: PBS Prep Date: 12/2 Analyte	35673 21/2017 A	SampTyp Batch IE nalysis Date Result F	e: ME ): 35 e: 12 PQL	3LK 673 2/22/2017 SPK value	Test R S SPK Ref Val	Code: El unNo: 4 eqNo: 1 %REC	PA Method 7979 537231 LowLimit	8015M/D: Die Units: mg/K HighLimit	esel Rango g %RPD	e Organics	Qual		
Sample ID MB-3 Client ID: PBS Prep Date: 12/2 Analyte Diesel Range Organic	35673 21/2017 A :s (DRO)	SampTyp Batch IE nalysis Date Result F ND	e: ME b: 35 e: 12 PQL 10	BLK 673 2/22/2017 SPK value	Tesi R S SPK Ref Val	Code: El JunNo: 4 JeqNo: 1 %REC	PA Method 7979 537231 LowLimit	8015M/D: Die Units: mg/K HighLimit	sel Rango g %RPD	e Organics RPDLimit	Qual		
Sample ID MB-3 Client ID: PBS Prep Date: 12/2 Analyte Diesel Range Organic Motor Oil Range Organic	85673 21/2017 A rs (DRO) inics (MRO)	SampTyp Batch II nalysis Date Result F ND ND	e: ME c: 35 e: 12 PQL 10 50	BLK 673 2/22/2017 SPK value	Tesi R SPK Ref Val	Code: El JunNo: 4 JunNo: 1 WREC	PA Method 7979 537231 LowLimit	8015M/D: Die Units: mg/K HighLimit	g %RPD	e Organics RPDLimit	Qual		

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 7 of 10

Sample ID MB-35660	Samp	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batc	Batch ID: 35660			RunNo: 47983					
Prep Date: 12/21/2017	Analysis [	Date: 12	2/22/2017	S	SeqNo: 1	537617	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.6	15	316			
Sample ID LCS-35660	Samp	Type: LC	S	Test	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: 35	660	R	RunNo: 4	7983				
Prep Date: 12/21/2017	Analysis [	Date: 12	2/22/2017	S	eqNo: 1	537618	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Gasoline Range Organics (GRO)	Result 27	PQL 5.0	SPK value 25.00	SPK Ref Val 0	%REC 108	LowLimit 75.9	HighLimit 131	%RPD	RPDLimit	Qual

## Qualifiers:

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

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1712C34 10-Jan-18

WO#:

QC	SUMMARY I	REPOR	Γ	
Hall	Environmental	Analysis	Laboratory,	Inc.

Clients Williams Field Comisso

Client:Williams Field ServicesProject:PRIMO CDP 1 Line Leak

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Sample ID MB-35660	SampType: MBLK TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	Batc	h ID: 35	660	F	RunNo: 4	7983				
Prep Date: 12/21/2017	Analysis E	Date: 12	2/22/2017	S	SeqNo: 1	537634	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			
Sample ID LCS-35660	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batcl	h ID: 35	660	F	RunNo: 4	7983				
Prep Date: 12/21/2017	Analysis E	Date: 12	2/22/2017	S	eqNo: 1	537635	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.99	0.10	1.000	0	98.9	70.1	121			
Benzene	0.95	0.025	1.000	0	94.7	77.3	128			
Toluene	0.96	0.050	1.000	0	95.7	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	97.5	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			
Sample ID 1712C34-001AMS	Samp1	Type: MS	3	Test	Code: El	PA Method	8021B: Vola	tiles		
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W	S SampT	Type: MS	5 660	Test R	tCode: El	PA Method 7983	8021B: Vola	tiles		
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017	S SampT -W Batch Analysis D	Гуре: MS h ID: 356 Date: 12	5 660 2/22/2017	Tesi R S	Code: El unNo: 4 GeqNo: 1	PA Method 7983 537638	8021B: Vola Units: mg/K	tiles		
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte	S SampT -W Batch Analysis D Result	Fype: MS h ID: 356 Date: 12 PQL	5 660 2/22/2017 SPK value	Test R S SPK Ref Val	Code: El unNo: 4 eqNo: 1 %REC	PA Method 7983 537638 LowLimit	8021B: Vola Units: mg/K HighLimit	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE)	S SampT -W Batch Analysis D Result 0.97	Type: MS h ID: 356 Date: 12 PQL 0.094	5 660 2/22/2017 SPK value 0.9443	Test R S SPK Ref Val 0	Code: El RunNo: 4 GeqNo: 1 %REC 102	PA Method 7983 537638 LowLimit 72.5	8021B: Vola Units: mg/ਮ HighLimit 138	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene	S SampT -W Batch Analysis D Result 0.97 0.93	Type: MS h ID: 350 Date: 12 PQL 0.094 0.024	5 660 2/22/2017 SPK value 0.9443 0.9443	Test R S SPK Ref Val 0 0.01090	Code: Ef tunNo: 4 GeqNo: 1 %REC 102 97.0	PA Method 7983 537638 LowLimit 72.5 80.9	8021B: Vola Units: mg/K HighLimit 138 132	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene	S SampT -W Batch Analysis E Result 0.97 0.93 0.99	Type: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047	5 660 2/22/2017 SPK value 0.9443 0.9443 0.9443	Test R SPK Ref Val 0 0.01090 0.04436	Code: El cunNo: 4 SeqNo: 1 %REC 102 97.0 100	PA Method 7983 537638 LowLimit 72.5 80.9 79.8	8021B: Vola Units: mg/k HighLimit 138 132 136	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene	S SampT -W Batch Analysis E Result 0.97 0.93 0.99 0.98	Fype: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047 0.047	5 660 2/22/2017 SPK value 0.9443 0.9443 0.9443 0.9443	Test R SPK Ref Val 0 0.01090 0.04436 0.02382	Code: El cunNo: 4 seqNo: 1 %REC 102 97.0 100 101	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4	8021B: Vola Units: mg/k HighLimit 138 132 136 140	tiles Kg %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total	<ul> <li>SampT</li> <li>W Batcl</li> <li>Analysis D</li> <li>Result</li> <li>0.97</li> <li>0.93</li> <li>0.99</li> <li>0.98</li> <li>3.2</li> </ul>	Fype: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047 0.047 0.094	5 5 5 5 5 5 5 5 5 5 5 5 5 5	Test R SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496	Code: El SunNo: 4 SeqNo: 1 %REC 102 97.0 100 101 103	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 79.4 78.5	8021B: Vola Units: mg/k HighLimit 138 132 136 140 142	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	S Samp⊺ -₩ Batcl Analysis E Result 0.97 0.93 0.99 0.98 3.2 0.93	Fype: MS h ID: 356 Date: 12 0.094 0.024 0.047 0.047 0.094	5 5660 2/22/2017 SPK value 0.9443 0.9443 0.9443 0.9443 2.833 0.9443	Test R S SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496	Code: El aunNo: 4 %REC 102 97.0 100 101 103 98.4	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.8 79.4 78.5 80	8021B: Vola Units: mg/# HighLimit 138 132 136 140 142 120	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Sur: 4-Bromofluorobenzene Sample ID 1712C34-001AMS	<ul> <li>SampT</li> <li>W Batcl</li> <li>Analysis D</li> <li>Result</li> <li>0.97</li> <li>0.93</li> <li>0.99</li> <li>0.98</li> <li>3.2</li> <li>0.93</li> <li>CompT</li> </ul>	Type: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047 0.094 0.047 0.094	5 5660 2/22/2017 SPK value 0.9443 0.9443 0.9443 0.9443 2.833 0.9443 5D	Test R S SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496 Test	Code: EI aunNo: 4 ieqNo: 1 %REC 102 97.0 100 101 103 98.4 Code: EI	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 78.5 80 PA Method	8021B: Vola Units: mg/k HighLimit 138 132 136 140 142 120 8021B: Vola	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W	SampT           -W         Batcl           Analysis D         Result           0.97         0.93           0.99         0.98           3.2         0.93           0.93         0.94           3.2         0.93           Batcl         D           SD         SampT	Fype: MS h ID: 350 Date: 12 0.094 0.024 0.047 0.047 0.094	5 5660 2/22/2017 SPK value 0.9443 0.9443 0.9443 0.9443 2.833 0.9443 50 560	Test R S SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496 Test R	Code: El aunNo: 4 eqNo: 1 %REC 102 97.0 100 101 103 98.4 Code: El aunNo: 4	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 78.5 80 PA Method 7983	8021B: Vola Units: mg/# HighLimit 138 132 136 140 142 120 8021B: Vola	tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017	S SampT -W Batcl Analysis D Result 0.97 0.93 0.99 0.98 3.2 0.93 CD SampT -W Batch Analysis D	Type: MS b ID: 350 Date: 12 0.094 0.024 0.047 0.094 0.047 0.094 Type: MS b ID: 350 Date: 12	5 5 5 5 5 5 5 5 5 5 5 5 5 5	Test R S SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496 Test R S	Code: El aunNo: 4 eqNo: 1 %REC 102 97.0 100 101 103 98.4 Code: El aunNo: 4 acono: 4	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 78.5 80 PA Method 7983 537639	8021B: Vola Units: mg/# HighLimit 138 132 136 140 142 120 8021B: Vola Units: mg/#	tiles (g %RPD tiles (g	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte	<ul> <li>SampT</li> <li>W Batcl</li> <li>Analysis D</li> <li>Result</li> <li>0.97</li> <li>0.93</li> <li>0.99</li> <li>0.98</li> <li>3.2</li> <li>0.93</li> <li>Comparison</li> <li>SD SampT</li> <li>W Batch</li> <li>Analysis D</li> <li>Result</li> </ul>	Fype: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047 0.047 0.094 0.047 0.094	5 660 2/22/2017 SPK value 0.9443 0.9443 0.9443 0.9443 0.9443 0.9443 50 560 2/22/2017 SPK value	Test R S SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496 Test R SPK Ref Val	Code: El anNo: 4 %REC 102 97.0 100 101 103 98.4 Code: El anNo: 4 %REC	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 78.5 80 PA Method 7983 537639 LowLimit	8021B: Vola Units: mg/k HighLimit 138 132 136 140 142 120 8021B: Vola Units: mg/k HighLimit	tiles (g %RPD tiles (g %RPD	RPDLimit	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE)	S SampT -W Batch Analysis D Result 0.97 0.93 0.99 0.98 3.2 0.93 CD SampT -W Batch Analysis D Result 1.0	Fype: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047 0.094 0.047 0.094 Fype: MS h ID: 356 Date: 12 PQL 0.097	5 5 5 5 5 5 5 5 5 5 5 5 5 5	Test SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496 Test R SPK Ref Val 0	Code: EF SunNo: 4 %REC 102 97.0 100 101 103 98.4 Code: EF SunNo: 4 %REC 106	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 78.5 80 PA Method 7983 537639 LowLimit 72.5	8021B: Vola Units: mg/k HighLimit 138 132 136 140 142 120 8021B: Vola Units: mg/k HighLimit 138	tiles Sg %RPD tiles Sg %RPD 6.06	RPDLimit RPDLimit 20	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene	SampT           -W         Batch           Analysis D         Result           0.97         0.93           0.99         0.98           3.2         0.93           GD         SampT           -W         Batch           Result         1.0           0.96         0.96	Fype: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047 0.094 0.047 0.094 Fype: MS h ID: 350 Date: 12 PQL 0.097 0.024	5 5 5 5 5 5 5 5 5 5 5 5 5 5	Test SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496 Test R SPK Ref Val 0 0.01090	Code: El sunNo: 4 %REC 102 97.0 100 101 103 98.4 Code: El seqNo: 4 %REC 106 98.1	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 78.5 80 PA Method 7983 537639 LowLimit 72.5 80.9	8021B: Vola Units: mg/k HighLimit 138 132 136 140 142 120 8021B: Vola 8021B: Vola Units: mg/k HighLimit 138 132	tiles (g %RPD tiles (g %RPD 6.06 3.58	RPDLimit RPDLimit 20 20	Qual
Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID 1712C34-001AMS Client ID: PRIMO-CDP-S/W Prep Date: 12/21/2017 Analyte Methyl tert-butyl ether (MTBE) Benzene Toluene	S         SampT           -W         Batcl           Analysis D         Result           0.97         0.93           0.99         0.98           3.2         0.93           GD         SampT           -W         Batcl           Analysis D         Result           1.0         0.96           1.0         0.96	Fype: MS h ID: 350 Date: 12 PQL 0.094 0.024 0.047 0.094 0.047 0.094 Fype: MS h ID: 356 Date: 12 PQL 0.097 0.024 0.048	5 5 5 5 5 5 5 5 5 5 5 5 5 5	Test SPK Ref Val 0 0.01090 0.04436 0.02382 0.2496 Test R SPK Ref Val 0 0.01090 0.04436	Code: EI 2008: 4 2008: 4 2008: 4 2008: 4 2009 20	PA Method 7983 537638 LowLimit 72.5 80.9 79.8 79.4 78.5 80 PA Method 7983 537639 LowLimit 72.5 80.9 79.8	8021B: Vola Units: mg/k HighLimit 138 132 136 140 142 120 8021B: Vola 8021B: Vola Units: mg/k HighLimit 138 132 136	tiles (g %RPD tiles (g %RPD 6.06 3.58 2.70	RPDLimit RPDLimit 20 20 20	Qual

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

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

W Sample container temperature is out of limit as specified

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WO#: 1712C34 10-Jan-18

# Client: Williams Field Services

Project: PRIMO CDP 1 Line Leak

Sample ID 1712C34-001AM	SD SampT	ype: MS	SD	Test	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PRIMO-CDP-S/W	I-W Batch	n ID: 35	660	R	unNo: 4	7983				
Prep Date: 12/21/2017	Analysis D	ate: 12	2/22/2017	S	eqNo: 1	537639	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	3.2	0.097	2.904	0.2496	102	78.5	142	1.68	20	
Surr: 4-Bromofluorobenzene	0.92		0.9681		94.9	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
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1712C34 10-Jan-18

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmen. A TEL: 505-345-39 Website: www.	tal Analysis Labor 4901 Hawki Ibuquerque, NM 6 75 FAX: 505-345 hallenvironmenta	ratory ns NE 87109 <b>San</b> -4107 ul.com	nple Log-In Check List
Client Name: WILLIAMS FIELD SERVI	Work Order Numb	er: 1712C34		RcptNo: 1
Received By: Anne Thorne	12/20/2017 6:30:00	AM	anne H-	~
Completed By: Sophia Campuzano	12/20/2017 4:35:09	PM	sigher fragen	
Reviewed By:				
Chain of Custody			_	_
1. Is Chain of Custody complete?		Yes 🗸	No	Not Present
2. How was the sample delivered?		Courier		
Log In 3. Was an attempt made to cool the samples	?	Yes 🗹	No 🗔	NA 🗌
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗌
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌	
6. Sufficient sample volume for indicated test(	s)?	Yes 🖌	No	
7. Are samples (except VOA and ONG) proper	rly preserved?	Yes 🗹	No 🗌	
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗌
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🔽
10. Were any sample containers received broke	en?	Yes	No 🗹	# of processed
11. Does paperwork match bottle labels?		Yes 🗹	No 🗌	bottles checked for pH:
(Note discrepancies on chain of custody)				(<2 or >12 unless noted) Adjusted?
12. Are matrices correctly identified on Chain of	Custody?	Yes M		
14. Were all holding times able to be met?		Yes V		Checked by:
(If no, notify customer for authorization.)				
Special Handling (if applicable)				
15. Was client notified of all discrepancies with	this order?	Yes	No	NA 🗹
Person Notified:	Date	ana	ini ini ana ana ina mana ana ana ana ana ana ana ana ana	
By Whom:	Via:	eMail 🗍 F	Phone 🗌 Fax	In Person
Regarding:		*******	araanaanaanaanaa ka k	
Client Instructions:				
16. Additional remarks:				
17. <u>Cooler Information</u> Cooler No Temp °C Condition S 1 1.7 Good Ye	eai Intact   Seal No   s	Seal Date	Signed By	

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Client: Mailing	Client: Williams Field Service Mailing Address: 1755 AREOFA DRIVE Bloom Field N.M. 87413				Project Mame: Project Name: Project Name: Project #:			HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109								Y					
Bla	onfi	ebl i	N.M. 87413		Project #:	TAURIS	25		Te	el. 50	5-34	5-3	975	F	ах	505-	345-	410	7		
Phone	#: 50	5-63	2-4475		June .	1-14517			~	-	10 ES	20	A	naly	sis	Req	uest				
email o	r Fax#: 4	Kijun -	hong ewilliams.	com	Project Mana	iger:		(1)	only	ARO					SO4)	G					
QA/QCI □ Stan	Package: Idard		Level 4 (Full Valid)	ation)	Kijun	Hong	per KH	5 (802	Gas	1/0			(SMI		PO4.	PCB					
Accredi	itation				Sampler: /	Sampler: M. Stale			PH (	/ DR	=	1)	70 S		102,	082					5
	AP	□ Othe	er	-	On Ice: XYes D No			H +	T +	RO	118.	504.	r 82	ŝ	03.0	s / 8		(VC	0		Or N
	(Type)	1	1	-	Sample Temp	perature: 2,7	-(F-1.0=1.7	TBE	TBE	0	po	poi	10 0	etal	CI'N	cide	(V)	1-10	. 7		S
Date	Time	Matrix	M& Sample Reques	st ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + M	BTEX + M	TPH 80158	TPH (Meth	EDB (Moth	PAH's (831	RCRA 8 M	Anions (F,	8081 Pesti	8260B (VC	8270 (Sem	chlor		Air Bubble:
12-19-17	11:40	soil	PRIMO - CDF		402	ILE	-001	×		×									×		
12-19-17	11:50	soil	PRIMO-COP- SIF-WALL	-	402	ice	-002	×		X									X		
2-19-17	12:00	4011	PRIMO-COP- NIW-WAII		402	168	-003	×		×									×		
2-19-17	12:10	5011	PRIMO-COP	-	402	Ice	-004	×	×	X									×		
2-14-17	11:30	5017	Peimo - CDF	- (	402	ICR	-005	*	4	*									×		_
Date:	Time:	Relinquist	ned by: 01/1		Received by:	. 1	Date Time	Rer	nark	S:											
719/17 Date: 12/19/17	1430 Time: 150	Relinquist	Mis Jae	ł	Received by:	thu-	12/19/17 1430 Date Time 12/20/17 06-30													 	

f 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.

# **Remediation Excavation and Sampling Form**

Site Name	rimo CPP	#1									
Excavation Dimensions (feet)											
14	Length	12	Width	5'	Depth						
Excavation Dia (Depict notable sit	agram and Sample L te features, excavation ext	ocations tents, visual obse	ervations, sample l	ocations, north a	rrow, etc.)						



# Sample Information

# OCD Witness Sampling Yes or No

Agency(s) Representative(s) Approved TO SCMPLE BY Vanesa Feild

Sample ID	Sample Date	Type (Composite, Grab)	Location (Floor, Sidewall)	Comments
Primo COP #INEIN#02	2-20-18	Composite	sidewall	



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

February 22, 2018

Kijun Hong Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: FAX

RE: Primo 1 Resample

OrderNo.: 1802B25

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/21/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

<b>Analytical Report</b>
Lab Order 1802B25
Date Reported: 2/22/2018

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services Client Sample ID: Primo 1 NE-02 Walls Project: Primo 1 Resample Collection Date: 2/20/2018 10:15:00 AM Lab ID: 1802B25-001 Matrix: SOIL Received Date: 2/21/2018 7:30:00 AM DOI DE D . .

Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	31	30	mg/Kg	20	2/21/2018 10:42:43 AM	36641
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst:	AG
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	2/21/2018 10:26:28 AM	G49276
Surr: BFB	122	70-130	%Rec	1	2/21/2018 10:26:28 AM	G49276
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst:	TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2018 9:06:46 AM	36639
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	2/21/2018 9:06:46 AM	36639
Surr: DNOP	100	70-130	%Rec	1	2/21/2018 9:06:46 AM	36639
EPA METHOD 8260B: VOLATILES SHOP	RT LIST				Analyst:	AG
Benzene	ND	0.019	mg/Kg	1	2/21/2018 10:26:28 AM	L49276
Toluene	ND	0.038	mg/Kg	1	2/21/2018 10:26:28 AM	L49276
Ethylbenzene	ND	0.038	mg/Kg	1	2/21/2018 10:26:28 AM	L49276
Xylenes, Total	0.093	0.076	mg/Kg	1	2/21/2018 10:26:28 AM	L49276
Surr: 4-Bromofluorobenzene	113	70-130	%Rec	1	2/21/2018 10:26:28 AM	L49276
Surr: Toluene-d8	94.3	70-130	%Rec	1	2/21/2018 10:26:28 AM	L49276

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
	Н	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit
	PQL	Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 6 J
- Sample pH Not In Range Р
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Client: Williams Field Services

Project: Primo 1 Resample

Sample ID MB-36641	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 36641	RunNo: 49283		
Prep Date: 2/21/2018	Analysis Date: 2/21/2018	SeqNo: 1591746	Units: mg/Kg	
Analyte	Result PQL SPK val	ue SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-36641	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-36641 Client ID: LCSS	SampType: Ics Batch ID: 36641	TestCode: EPA Method RunNo: 49283	300.0: Anions	
Sample ID LCS-36641 Client ID: LCSS Prep Date: 2/21/2018	SampType: Ics Batch ID: 36641 Analysis Date: 2/21/2018	TestCode: EPA Method RunNo: 49283 SeqNo: 1591747	300.0: Anions Units: mg/Kg	
Sample ID LCS-36641 Client ID: LCSS Prep Date: 2/21/2018 Analyte	SampType: Ics Batch ID: 36641 Analysis Date: 2/21/2018 Result PQL SPK val	TestCode: EPA Method RunNo: 49283 SeqNo: 1591747 ue SPK Ref Val %REC LowLimit	300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual

## Qualifiers:

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

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WO#: **1802B25** 22-Feb-18

WO#: 1802B25

22-Feb-18

Client:	Williams	Field Serv	ices								
Project:	Primo 1 1	Resample									
Sample ID	LCS-36639	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015M/D: D	iesel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 36	639	F	RunNo: 4	9268				
Prep Date:	2/21/2018	Analysis Da	ate: 2	/21/2018	5	SeqNo: 1	589630	Units: mg/	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	46	10	50.00	0	92.7	70	130			
Surr: DNOP		4.5		5.000		90.9	70	130			
Sample ID	MB-36639	SampT	уре: МІ	BLK	Tes	tCode: E	PA Method	8015M/D: D	iesel Rang	e Organics	
Client ID:	PBS	Batch	ID: 36	639	F	RunNo: 4	9268				
Prep Date:	2/21/2018	Analysis Da	ate: 2	/21/2018	5	SeqNo: 1	589631	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10						_		
Motor Oil Rang	ge Organics (MRO)	ND	50								
Surr: DNOP		9.6		10.00		96.3	70	130			
Sample ID	1802B25-001AMS	SampTy	ype: MS	S	Tes	tCode: E	PA Method	8015M/D: D	iesel Rang	e Organics	
Client ID:	Primo 1 NE-02 Wa	all Batch	ID: 36	639	F	RunNo: 4	9268				
Prep Date:	2/21/2018	Analysis Da	ate: 2	21/2018	S	SeqNo: 1	590082	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	51	10	50.15	3.431	94.5	55.8	125			
Surr: DNOP		4.7		5.015		94.4	70	130			
Sample ID	1802B25-001AMS	D SampTy	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: D	iesel Rang	e Organics	
Client ID:	Primo 1 NE-02 Wa	all Batch	ID: 36	639	F	RunNo: 4	9268				
Prep Date:	2/21/2018	Analysis Da	ate: 2	21/2018	S	SeqNo: 1	590083	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	50	10	49.75	3.431	94.4	55.8	125	0.807	20	
Surr: DNOP		4.7		4.975		94.8	70	130	0	0	

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 3 of 6

#### **Client:** Williams Field Services

**Project:** Primo 1 Resample

Sample ID         100ng Ics         SampType:         LCS4         TestCode:         EPA Method         8260B:         Volatiles         Short List										
Client ID: Batch	QC Bate	ch ID: L4	9276	F	RunNo: 4	9276				
Prep Date:	Analysis	Date: 2/	21/2018	S	SeqNo: 1	590036	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.7	80	120			
Surr: 4-Bromofluorobe	enzene 0.47		0.5000		94.6	70	130			
Surr: Toluene-d8	0.50		0.5000		101	70	130			
Sample ID rb	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: PBS	Bate	ch ID: L4	9276	F	RunNo: 4	9276				
Prep Date:	Analysis	Date: 2/	21/2018	S	SeqNo: 1	590039	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobe	enzene 0.55		0.5000		109	70	130			
Surr: Toluene-d8	0.48		0.5000		96.6	70	130			
Sample ID 1802b2	25-001amsd Samp	Туре: МЗ	SD4	Tesi	tCode: El	PA Method	8260B: Volat	iles Short	List	
Sample ID 1802b2 Client ID: Primo	25-001amsd Samp 1 NE-02 Wall Bate	Type: MS	SD4 9276	Tesi	tCode: El RunNo: 4	PA Method 9276	8260B: Volat	iles Short	List	
Sample ID 1802b2 Client ID: Primo Prep Date:	25-001amsd Samp 1 NE-02 Wall Bate Analysis	Type: MS ch ID: L4 Date: 2/	SD4 9276 21/2018	Tesi R S	tCode: El RunNo: 4 SeqNo: 1	PA Method 9276 590953	8260B: Volat	tiles Short	List	
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result	Type: MS ch ID: L4 Date: 2/ PQL	5D4 9276 21/2018 SPK value	Test R S SPK Ref Val	tCode: El RunNo: 4 SeqNo: 1 %REC	PA Method 9276 590953 LowLimit	8260B: Volat Units: mg/K HighLimit	iles Short g %RPD	<b>List</b> RPDLimit	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71	Type: <b>MS</b> ch ID: <b>L4</b> Date: <b>2/</b> PQL 0.019	5D4 9276 21/2018 SPK value 0.7622	Tesi R S SPK Ref Val 0.007531	tCode: El RunNo: 4 SeqNo: 1 %REC 92.1	PA Method 9276 590953 LowLimit 80	8260B: Volat Units: mg/K HighLimit 120	tiles Short G %RPD 0	List RPDLimit 0	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71 0.75	Type: <b>MS</b> ch ID: <b>L4</b> Date: <b>2/</b> PQL 0.019 0.038	5D4 9276 21/2018 SPK value 0.7622 0.7622	Tesi R S SPK Ref Val 0.007531 0.03289	tCode: El RunNo: 4: SeqNo: 1 %REC 92.1 93.5	PA Method 9276 590953 LowLimit 80 80	8260B: Volat Units: mg/K HighLimit 120 120	iles Short g %RPD 0 0	List RPDLimit 0 0	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71 0.75 0.71	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038	SD4 9276 21/2018 SPK value 0.7622 0.7622 0.7622	Tes R S SPK Ref Val 0.007531 0.03289 0.01262	tCode: El RunNo: 4 SeqNo: 1 %REC 92.1 93.5 91.9	PA Method 9276 590953 LowLimit 80 80 80	8260B: Volat Units: mg/K HighLimit 120 120 120	iles Short g %RPD 0 0 0	List RPDLimit 0 0 0	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71 0.75 0.71 2.1	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.076	SD4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287	Tes R S SPK Ref Val 0.007531 0.03289 0.01262 0.09265	tCode: El RunNo: 4 SeqNo: 1 %REC 92.1 93.5 91.9 89.0	PA Method 9276 590953 LowLimit 80 80 80 80	8260B: Volat Units: mg/K HighLimit 120 120 120 120 120	iles Short g %RPD 0 0 0 0	List RPDLimit 0 0 0 0 0	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71 0.75 0.71 2.1 enzene 0.37	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.076	SD4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811	Tes R S SPK Ref Val 0.007531 0.03289 0.01262 0.09265	tCode: El RunNo: 4 SeqNo: 1 %REC 92.1 93.5 91.9 89.0 96.7	PA Method 9276 590953 LowLimit 80 80 80 80 70	8260B: Volat Units: mg/K HighLimit 120 120 120 120 120 130	iles Short g %RPD 0 0 0 0 0	List RPDLimit 0 0 0 0 0 0	Qual
Sample ID <b>1802b2</b> Client ID: <b>Primo</b> Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe Surr: Toluene-d8	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71 0.75 0.71 2.1 enzene 0.37 0.36	Type: <b>MS</b> ch ID: <b>L4</b> Date: <b>2/</b> <u>PQL</u> 0.019 0.038 0.038 0.076	5D4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811 0.3811	Tesi R SPK Ref Val 0.007531 0.03289 0.01262 0.09265	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6	PA Method 9276 590953 LowLimit 80 80 80 80 80 70 70 70	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130	illes Short g %RPD 0 0 0 0 0 0 0 0 0	List RPDLimit 0 0 0 0 0 0 0 0 0 0 0 0	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe Surr: Toluene-d8	25-001amsd         Samp           1 NE-02 Wall         Bate           Analysis         Result           0.71         0.75           0.71         2.1           enzene         0.37           0.36         25-001ams	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.038 0.076	5D4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811 0.3811	Tes R SPK Ref Val 0.007531 0.03289 0.01262 0.09265 Tes	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6	PA Method 9276 590953 LowLimit 80 80 80 80 70 70 70 PA Method	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130 30	illes Short	List RPDLimit 0 0 0 0 0 0 0 0 List	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe Surr: Toluene-d8 Sample ID 1802b2 Client ID: Primo	25-001amsd         Samp           1 NE-02 Wall         Bate           Analysis         Result           0.71         0.75           0.71         2.1           enzene         0.37           0.36         25-001ams           Samp         1 NE-02 Wall	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.038 0.076	5D4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811 0.3811 0.3811 54 9276	Tes R SPK Ref Val 0.007531 0.03289 0.01262 0.09265 Test R	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6 tCode: El RunNo: 4	PA Method 9276 590953 LowLimit 80 80 80 80 80 70 70 PA Method 9276	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130 8260B: Volat	iles Short	List RPDLimit 0 0 0 0 0 0 0 0 List	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe Surr: Toluene-d8 Sample ID 1802b2 Client ID: Primo Prep Date:	25-001amsd         Samp           1 NE-02 Wall         Bate           Analysis         Result           0.71         0.75           0.71         2.1           enzene         0.37           0.36         Samp           1 NE-02 Wall         Bate           Analysis         Analysis	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.038 0.076 Type: MS ch ID: L4 Date: 2/	5D4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811 0.3811 0.3811 54 9276 21/2018	Tesi R SPK Ref Val 0.007531 0.03289 0.01262 0.09265 Tesi R S	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6 tCode: El RunNo: 4 SeqNo: 1	PA Method 9276 590953 LowLimit 80 80 80 80 80 70 70 70 PA Method 9276 591072	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130 8260B: Volat Units: mg/K	iles Short 9 %RPD 0 0 0 0 0 0 0 0 0 0 0 0	List RPDLimit 0 0 0 0 0 0 0 0 1 List	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe Surr: Toluene-d8 Sample ID 1802b2 Client ID: Primo Prep Date: Analyte	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71 0.75 0.71 2.1 enzene 0.37 0.36 25-001ams Samp 1 NE-02 Wall Bate Analysis Result	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.038 0.076 Type: MS ch ID: L4 Date: 2/ PQL	5D4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811 0.3811 0.3811 54 9276 21/2018 SPK value	Tes R SPK Ref Val 0.007531 0.03289 0.01262 0.09265 Test R SPK Ref Val	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6 tCode: El RunNo: 4 SeqNo: 1 %REC	PA Method 9276 590953 LowLimit 80 80 80 80 80 70 70 PA Method 9276 591072 LowLimit	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130 8260B: Volat Units: mg/K HighLimit	illes Short g %RPD 0 0 0 0 0 0 0 0 0 0 0 0 0	List RPDLimit 0 0 0 0 0 0 List RPDLimit	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe Surr: Toluene-d8 Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene	25-001amsd         Samp           1 NE-02 Wall         Bate           Analysis         Result           0.71         0.75           0.71         2.1           enzene         0.37           0.36         25-001ams           Samp         1 NE-02 Wall           1 NE-02 Wall         Bate           Analysis         Result           0.36         0.36	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.076 Type: MS ch ID: L4 Date: 2/ PQL 0.025	5D4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811 0.3811 0.3811 54 9276 21/2018 SPK value 1.000	Tes R SPK Ref Val 0.007531 0.03289 0.01262 0.09265 Tes R SPK Ref Val 0.007531	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6 tCode: El RunNo: 4 SeqNo: 1 %REC 98.4	PA Method 9276 590953 LowLimit 80 80 80 80 80 70 70 70 PA Method 9276 591072 LowLimit 80	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130 8260B: Volat Units: mg/K HighLimit 120	iles Short g %RPD 0 0 0 0 0 0 0 0 0 0 0 0 0	List RPDLimit 0 0 0 0 0 0 0 List RPDLimit	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobe Surr: Toluene-d8 Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene	25-001amsd         Samp           1 NE-02 Wall         Bate           Analysis         Result           0.71         0.75           0.71         0.75           0.71         2.1           enzene         0.37           0.36         25-001ams           Samp         1 NE-02 Wall           1 NE-02 Wall         Bate           Analysis         Result           0.99         1.0	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.076 Type: MS ch ID: L4 Date: 2/ PQL 0.025 0.050	5D4 9276 21/2018 SPK value 0.7622 0.7622 0.7622 2.287 0.3811 0.3811 0.3811 54 9276 21/2018 SPK value 1.000 1.000	Tesi SPK Ref Val 0.007531 0.03289 0.01262 0.09265 Tesi R SPK Ref Val 0.007531 0.03289	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6 tCode: El RunNo: 4 SeqNo: 1 SeqNo: 1 %REC 98.4 101	PA Method 9276 590953 LowLimit 80 80 80 80 80 70 70 70 PA Method 9276 591072 LowLimit 80 80	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130 8260B: Volat Units: mg/K HighLimit 120 120	iles Short g %RPD 0 0 0 0 0 0 0 0 0 0 0 0 0	List RPDLimit 0 0 0 0 0 0 0 List RPDLimit	Qual
Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Sur: 4-Bromofluorobe Sur: Toluene-d8 Sample ID 1802b2 Client ID: Primo Prep Date: Analyte Benzene Toluene Ethylbenzene	25-001amsd Samp 1 NE-02 Wall Bate Analysis Result 0.71 0.75 0.71 2.1 enzene 0.37 0.36 25-001ams Samp 1 NE-02 Wall Bate Analysis Result 0.99 1.0 1.0	Type: MS ch ID: L4 Date: 2/ PQL 0.019 0.038 0.038 0.038 0.076 Type: MS ch ID: L4 Date: 2/ PQL 0.025 0.050 0.050	5D4 9276 21/2018 SPK value 0.7622 0.7622 2.287 0.3811 0.3811 0.3811 54 9276 21/2018 SPK value 1.000 1.000 1.000	Tesi SPK Ref Val 0.007531 0.03289 0.01262 0.09265 Tesi R SPK Ref Val 0.007531 0.03289 0.01262	tCode: El RunNo: 4 SeqNo: 1 92.1 93.5 91.9 89.0 96.7 94.6 tCode: El RunNo: 4 SeqNo: 1 SeqNo: 1 %REC 98.4 101 99.7	PA Method 9276 590953 LowLimit 80 80 80 80 80 70 70 70 PA Method 9276 591072 LowLimit 80 80 80 80	8260B: Volat Units: mg/K HighLimit 120 120 120 120 130 130 8260B: Volat Units: mg/K HighLimit 120 120 120 120	iles Short 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	List RPDLimit 0 0 0 0 0 0 0 0 0 List RPDLimit	Qual

### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
  - Sample pH Not In Range
- RL Reporting Detection Limit

Р

Sample container temperature is out of limit as specified W

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WO#: 22-Feb-18

## Client: Williams Field Services

Project: Primo 1 Resample

Sample ID	1802b25-001ams	SampType:	MS4	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID:	Primo 1 NE-02 Wal	Batch ID:	L49276	R	RunNo: 4	9276				
Prep Date:	ذ	Analysis Date:	2/21/2018	S	SeqNo: 1	591072	Units: mg/k	٢g		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	<b>RPDL</b> imit	Qual
Surr: 4-Brom	ofluorobenzene	0.50	0.5000		99.2	70	130			
Surr: Toluene	e-d8	0.49	0.5000		98.3	70	130			

## Qualifiers:

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

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#### Williams Field Services **Client:**

**Project:** Primo 1 Resample

Sample ID	1802b25-001ams	SampT	ype: MS	6	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	Primo 1 NE-02 Wa	Batch	ID: G4	9276	F	unNo: 4	9276				
Prep Date:		Analysis D	ate: 2/	21/2018	S	eqNo: 1	590022	Units: mg/ł	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	24	3.8	19.06	1.631	119	64.7	142			
Surr: BFB		420		381.1		110	70	130			
Sample ID	rb	SampT	ype: MI	BLK	Tes	Code: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	ID: G4	9276	F	unNo: 4	9276				
Prep Date:		Analysis D	ate: 2/	21/2018	S	eqNo: 1	590023	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rand	e Organics (GRO)	ND	5.0								
			0.0								
Surr: BFB	,,	580	0.0	500.0		117	70	130			
Surr: BFB	1802b25-001amsd	580 SampT	ype: MS	500.0	Tes	117 Code: <b>E</b>	70 PA Method	130 8015D Mod:	Gasoline	Range	
Surr: BFB	1802b25-001amsd Primo 1 NE-02 Wa	580 SampT I Batch	ype: MS	500.0 SD 19276	Tes	117 Code: EF	70 PA Method 9276	130 8015D Mod:	Gasoline	Range	
Surr: BFB Sample ID Client ID: Prep Date:	1802b25-001amsd Primo 1 NE-02 Wa	580 SampT I Batch Analysis D	ype: Ms 1D: G4 ate: 2/	500.0 SD 19276 21/2018	Tes R S	117 Code: EF	70 PA Method 9276 590900	130 8015D Mod: Units: mg/ł	Gasoline (g	Range	
Surr: BFB Sample ID Client ID: Prep Date: Analyte	1802b25-001amsd Primo 1 NE-02 Wa	580 SampT I Batch Analysis D Result	ype: Ms ID: G4 ate: 2/	500.0 5D 9276 21/2018 SPK value	Tes F S SPK Ref Val	117 Code: EF CunNo: 49 GeqNo: 19 %REC	70 PA Method 9276 590900 LowLimit	130 8015D Mod: Units: mg/H HighLimit	Gasoline (g %RPD	Range RPDLimit	Qual
Surr: BFB Sample ID Client ID: Prep Date: Analyte Gasoline Rang	1802b25-001amsd Primo 1 NE-02 Wa	580 SampT I Batch Analysis D Result 23	ype: Ms 1D: G4 ate: 2/ PQL 3.8	500.0 5D 99276 21/2018 SPK value 19.06	Tes F S SPK Ref Val 1.631	117 Code: EF RunNo: 49 GeqNo: 18 <u>%REC</u> 113	70 PA Method 9276 590900 LowLimit 64.7	130 8015D Mod: Units: mg/k HighLimit 142	Gasoline (g 4.64	Range RPDLimit 20	Qual

## **Oualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

22-Feb-18

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	Analy: 490 uquerq FAX: illenvir	sis Labora 1 Hawkins ue, NM 87 505-345-4 conmental.	atory s NE 7109 4107 .com	San	nple Log-In Check List
Client Name: WILLIAMS FIELD SERVI	Work Order Number:	1802	2B25			ReptNo: 1
Received By: Anne Thorne	2/21/2018 7:30:00 AM			Ann	A	~
Completed By: Anne Thorne	2/21/2018 7:35:03 AM			am	A	
Reviewed By: M 2/21/18	•					
Chain of Custody						
1. Is Chain of Custody complete?		Yes		No		Not Present
2. How was the sample delivered?		Cour	ier			
Log In 3. Was an attempt made to cool the samples?		Yes		No		NA 🗋
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes	✓	No		NA 🗌
5. Sample(s) in proper container(s)?		Yes	$\checkmark$	No		
6. Sufficient sample volume for indicated test(s)	?	Yes	<b>~</b>	No		
7. Are samples (except VOA and ONG) properly	preserved?	Yes	$\checkmark$	No		
8. Was preservative added to bottles?		Yes		No	$\checkmark$	NA 🗌
9. VOA vials have zero headspace?		Yes		No		No VOA Vials 🗹
10. Were any sample containers received broken	1?	Yes		No		# of preserved
11. Does paperwork match bottle labels?		Yes		No		for pH:
12 Are matrices correctly identified on Chain of C	Custodv?	Yes	~	No		Adjusted?
13. Is it clear what analyses were requested?		Yes	~	No		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No		Checked by:
Special Handling (if applicable)						
15. Was client notified of all discrepancies with t	his order?	Yes		No		NA 🗹
Person Notified:	Date		12/12/12 10/17 10/16	And an	MARKA-227	
By Whom:	Via:	eMa	uil 🗌 Pl	hone [	Fax	In Person
Regarding:						
Client Instructions:						
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp °C Condition Se 1 1.0 Good Yes	al Intact Seal No S	eal Da	ite	Signed	Ву	

C	hain	of-Cu	stody Record	Ium-Around	Time:	2-21-21018															
Client:	WES			☐ Standard	Rust	Same day							E		IF			ME	NT		
			an and a state of the	Project Name	<del>)</del> :							AL.		iron				RA	AI C	JR	T
Mailing	Address	1755	- Arroyo DR	Prime	the p	- Cra DI -		49	01 H	awki	ne N	IF -	Δlb		arqui		M 87	7100	4		
Bloom	nfic	Id N	M 874/3	Project #:		-Jempi C		Te	al 50	)5-34	5-39	975	F	ax	505-	345	-410	7			
Phone	#: 503	5-63	2-4475-									A	naly	sis	Req	ues	t				
email o	r Fax#:	KijuNo	Hong Owillians -con	Project Mana	iger:			nly)	SO)					(†)							Τ
QA/QC	Package:				1		8021	as ol	/ MF			S)		04,S(	CB's						
□ Stan	dard		Level 4 (Full Validation)	KIJUN	HONG		3's (i	H (G	RO			SIM		2,PC	12 P(						
	tation AP	Othe	ar .	Sampler: Ma	organ k	fill-or	₩¥	TPF	0/0	8.1)	4.1)	270		NO,	808			1			Î
	(Type)			Sample Tem	perature.	0	+	于 第	(GR(	418	d 50	or 8	als	NO3	des /	_	VOA	3			Y or
				ATO2/21117	24-24C WEINER WITH HALF BUTTLE		MHE	MTE	5B	etho	etho	3310	Met	F,CI	stici	VOA	emi-	00			les (
Date	Time	Matrix	Sample Request ID	Container	Preservative	HEAL No.	+ X	+ *	80	W)	M.	1's (8	<b>ZA 8</b>	) su	1 Pe	OB (	) (Se	14			Subb
				Meather	1,900	1802B25	BTE	BTE	TPF	TPF	EDE	PAF	RCF	Anic	808	826	827(	U			AirE
2/20/18	10:15	501	NE-02 Walls	1-402	COD	-001	X		X									X			
						· ·															
																					1
																					+
440.000 Automation																					1
-																					
																					1
					1																
Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Ren	nark	s:												
120/18	1708	Polipquish	y rann	Received by	Jar	720/18/708															
	10.sil	Tho	et land.		ĺ í	1 12/2/118															
20/18	1814	MIL samples sub	mitted to Hall Environmental may be subc	ontracted to other a	2im -	DP.30	Dossil	bility	Anve	ih-cont	racter	t data	will be	clear	ly note	ated or	n the s	nalutic	al reno	rt	
1	necessary,		million to their Environmental may be sub-				Possi	omry.	a uny ou		aulet		and De	oloal	iy note		n ule d	narytic	anopol		

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 8, 2011

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

# **Release Notification and Corrective Action**

	OPERATOR	Initial Report	$\boxtimes$	Final Report
Name of Company: Williams Four Corners LLC	Contact: Kijun Hong			
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475			
Facility Name: San Juan Dakota Pig Receiver	Facility Type: Pig Receiver			

Surface Owner: BLM	Mineral Owner	BLM Project No.

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	11	28N	11W					San Juan

Latitude 36.670953 Longitude -107.966490

## NATURE OF RELEASE

Type of Release: Natural Gas and Produced Water	Volume of Release: 46 MCF	Volume Recovered: 0 MCF
	16 bbl Produced Water	8 bbl Produced Water
Source of Release: Broken site glass	Date and Hour of Occurrence:	Date and Hour of Discovery:
	11/19/2017 at 10:00 AM	11/19/2017 at 10:00 AM
Was Immediate Notice Given?	If YES, To Whom?	
Yes No X Not Required	NA	
By Whom? NA	Date and Hour: NA	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
Yes No	NA	
If a Watercourse was Impacted, Describe Fully.*		NMOCD
NA		
		MAD n a onte
Describe Cause of Problem and Remedial Action Taken.*		MAIL 0 5 2010
Site glass on the pig receiver scrubber broker. Site glass has been re	placed.	B.L. B.L. B.L. B.L. B.L. B.L. B.L. B.L.
Describe Area Affected and Cleanup Action Takan *		UISTRICT 111
16 bbls of produced water were released due to a broken site glass	8 bble ware caught by containment	and 8 bble wars released to the ground
to bois of produced water were released due to a broken site glass.	o bois were caught by containment.	and 8 bbis were released to the ground.
Remediation has been completed. Please see attached confirmation	sample results and Remediation Ex-	ravation and Sampling Form.
		and surface and surfac
I hereby certify that the information given above is true and complete to t	the best of my knowledge and understa	nd that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release r	notifications and perform corrective act	tions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by the	e NMOCD marked as "Final Report" of	does not relieve the operator of liability
should their operations have failed to adequately investigate and remediat	te contamination that pose a threat to g	round water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report of	loes not relieve the operator of respons	ibility for compliance with any other
federal, state, or local laws and/or regulations.		
11 12	OIL CONSERV	ATION DIVISION
Lin And		
Signatura	Approved by Environmental Specialis	t:
Signature.		
Printed Name: Kijun Hong	1 Con	
Thined Ivane. Kijun Hong		
Title: Environmental Specialist	Approval Date: 21)0/15	Expiration Date:
The Environmental Specialist	Approval Date.	
E-mail Address: kijun.hong@williams.com	Conditions of Approval:	
	contained of rippio rail	Attached
Date: 3/5/2018 Phone: (505) 632-4475		
Attach Additional Sheets If Necessary		244
	NVF17330	25 387
	, , , , , , , , , , , , , , , , , , , ,	mar /

# **Remediation Excavation and Sampling Form**

Site Name 57	DaKota	Reciever			
Excavation Dime	ensions (feet)				
5.1	Length	12	Width _	SurFace	Depth

# **Excavation Diagram and Sample Locations**

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



# Sample Information

# OCD Witness Sampling Yes or No Agency(s) Representative(s) <u>CORT Smith GOVE ME Permission to sample</u>

		Туре	Location	
Sample ID	Sample Date	(Composite, Grab)	(Floor, Sidewall)	Comments
SJ Dakota Reción Rocal ol	2-1-18	composite	SurFace	
SJ Dakota RCOME Road OZ	2-1-18	composite	SurFace	



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

February 15, 2018

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

RE: SJ Dakota Receiver

OrderNo.: 1802087

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/2/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analys	is Labora	tory, Inc.			Date Reported: 2/15/201	8
CLIENT:Williams Field ServicesProject:SJ Dakota ReceiverLab ID:1802087-001	Matrix:	SOIL	Client Sampl Collection I Received I	e ID: 01 Date: 2/1 Date: 2/2	Road SJ Dakota Recei /2018 10:00:00 AM /2018 7:50:00 AM	ver
Analyses	Result	PQL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	34	30	mg/Kg	20	2/13/2018 12:47:06 PM	36495
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	6			Analyst:	том
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/6/2018 8:21:17 PM	36339
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/6/2018 8:21:17 PM	36339
Surr: DNOP	95.2	70-130	%Rec	1	2/6/2018 8:21:17 PM	36339
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/6/2018 6:21:41 PM	36352
Surr: BFB	93.1	15-316	%Rec	1	2/6/2018 6:21:41 PM	36352
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.025	mg/Kg	1	2/6/2018 6:21:41 PM	36352
Toluene	ND	0.049	mg/Kg	1	2/6/2018 6:21:41 PM	36352
Ethylbenzene	ND	0.049	mg/Kg	1	2/6/2018 6:21:41 PM	36352
Xylenes, Total	ND	0.098	mg/Kg	1	2/6/2018 6:21:41 PM	36352
Surr: 4-Bromofluorobenzene	98.7	80-120	%Rec	1	2/6/2018 6:21:41 PM	36352

Refe	er to th	e QC Summary report and sample login checklis	st for flagg	ged QC data and preservation inform	ation
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Dog
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	гад

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- ts Page 1 of 6

**Analytical Report** Lab Order 1802087

- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

<b>CLIENT:</b>	Williams Field Services			<b>Client Sampl</b>	e ID: 02	Road SJ Dakota Rece	iver
<b>Project:</b>	SJ Dakota Receiver			Collection	Date: 2/1	/2018 10:15:00 AM	
Lab ID:	1802087-002	Matrix: S	SOIL	Received	Date: 2/2	/2018 7:50:00 AM	
Analyses		Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	MRA
Chloride		ND	30	mg/Kg	20	2/13/2018 12:59:30 PN	36495
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	TOM
Diesel Ra	ange Organics (DRO)	ND	9.7	mg/Kg	1	2/6/2018 8:43:12 PM	36339
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	2/6/2018 8:43:12 PM	36339
Surr: D	NOP	96.6	70-130	%Rec	1	2/6/2018 8:43:12 PM	36339
EPA MET	HOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.8	mg/Kg	1	2/6/2018 6:45:05 PM	36352
Surr: E	BFB	91.4	15-316	%Rec	1	2/6/2018 6:45:05 PM	36352
EPA MET	HOD 8021B: VOLATILES					Analyst	NSB
Benzene		ND	0.024	mg/Kg	1	2/6/2018 6:45:05 PM	36352
Toluene		ND	0.048	mg/Kg	1	2/6/2018 6:45:05 PM	36352
Ethylbenz	zene	ND	0.048	mg/Kg	1	2/6/2018 6:45:05 PM	36352
Xylenes,	Total	ND	0.096	mg/Kg	1	2/6/2018 6:45:05 PM	36352
Surr: 4	-Bromofluorobenzene	94.1	80-120	%Rec	1	2/6/2018 6:45:05 PM	36352

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 2 of 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 age 2 01 0
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit	it as specified

Hall Environmental Analysis Laboratory, Inc.

**Analytical Report** Lab Order 1802087 Date Reported: 2/15/2018

W Sample container temperature is out of limit as specified

## Client: Williams Field Services

Project: SJ Dakota Receiver

Sample ID MB-36495	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 36495	RunNo: 49085		
Prep Date: 2/13/2018	Analysis Date: 2/13/2018	SeqNo: 1583564	Units: mg/Kg	
Analyte	Result PQL SPK va	ue SPK Ref Val %REC LowLimit	HighLimit %RPD R	PDLimit Qual
Chloride	ND 1.5			
A REAL PROPERTY OF A REA				
Sample ID LCS-36495	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-36495 Client ID: LCSS	SampType: Ics Batch ID: 36495	TestCode: EPA Method RunNo: 49085	300.0: Anions	
Sample ID LCS-36495 Client ID: LCSS Prep Date: 2/13/2018	SampType: Ics Batch ID: 36495 Analysis Date: 2/13/2018	TestCode: EPA Method RunNo: 49085 SeqNo: 1583565	300.0: Anions Units: mg/Kg	
Sample ID LCS-36495 Client ID: LCSS Prep Date: 2/13/2018 Analyte	SampType: <b>Ics</b> Batch ID: <b>36495</b> Analysis Date: <b>2/13/2018</b> Result PQL SPK va	TestCode: <b>EPA Method</b> RunNo: <b>49085</b> SeqNo: <b>1583565</b> ue SPK Ref Val %REC LowLimit	<b>300.0: Anions</b> Units: <b>mg/Kg</b> HighLimit %RPD R	PDLimit Qual

## Qualifiers:

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

Page 3 of 6

WO#: **1802087** 

15-Feb-18

### WO#: 1802087

15-Feb-18

Client: W	illiams Field Serv	vices											
Project: S.	Dakota Receiver												
Sample ID LCS-3633	ample ID LCS-36339 SampType: LCS				TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch	Batch ID: 36339 RunNo: 48920											
Prep Date: 2/5/2018	Analysis D	alysis Date: 2/6/2018 SeqNo: 1574284 Units: mg/Kg											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DR	D) 41	10	50.00	0	82.3	70	130						
Surr: DNOP	4.2		5.000		84.7	70	130						
Sample ID MB-36339	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics				
Client ID: PBS	Batch	Batch ID: 36339 RunNo: 48920											
Prep Date: 2/5/2018	Analysis D	ate: 2/	6/2018	18 SeqNo: 1574285 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DR	D) ND	10											
Motor Oil Range Organics (N	(RO) ND	50											
0 0 1	,												

## Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 4 of 6

## Client: Williams Field Services

Project: SJ Dakota Receiver

Sample ID MB-36352	SampT	уре: МЕ	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batcl	n ID: 36	352	RunNo: 48930						
Prep Date: 2/5/2018	Analysis Date: 2/6/2018			5	SeqNo: 1	574768	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	15	316			
	the second s	the second s	the second se		and the second se	AND INCOMENTS OF TAXABLE PARTY.	NAME AND ADDRESS OF TAXABLE PARTY OF TAXABLE PARTY.	A COLUMN TWO IS NOT THE OWNER.	NAME AND POST OFFICE ADDRESS OF TAXABLE PARTY.	and the second se
Sample ID LCS-36352	Samp1	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Sample ID LCS-36352 Client ID: LCSS	Samp1 Batcl	ype: LC	S 352	Tes F	tCode: El	PA Method 8930	8015D: Gasc	line Rang	e	
Sample ID LCS-36352 Client ID: LCSS Prep Date: 2/5/2018	SampT Batcl Analysis D	ype: LC 1D: 36 0ate: 2/	S 352 6/2018	Tes F	tCode: El RunNo: 4 SeqNo: 1	PA Method 8930 574769	8015D: Gaso Units: mg/K	oline Rang	e	
Sample ID LCS-36352 Client ID: LCSS Prep Date: 2/5/2018 Analyte	SampT Batcl Analysis D Result	Type: LC n ID: 36 Date: 2/ PQL	<b>S</b> 352 6/2018 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 4 GeqNo: 1 %REC	PA Method 8930 574769 LowLimit	8015D: Gasc Units: mg/K HighLimit	oline Rang Kg %RPD	e RPDLimit	Qual
Sample ID LCS-36352 Client ID: LCSS Prep Date: 2/5/2018 Analyte Gasoline Range Organics (GRO)	SampT Batcl Analysis D Result 27	ype: LC n ID: 36 Date: 2/ PQL 5.0	S 352 6/2018 SPK value 25.00	Tes F S SPK Ref Val 0	tCode: El RunNo: 4 SeqNo: 1 %REC 107	PA Method 8930 574769 LowLimit 75.9	8015D: Gasc Units: mg/K HighLimit 131	oline Rang Kg %RPD	e RPDLimit	Qual

## Qualifiers:

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

WO#: **1802087** 

15-Feb-18

Page 5 of 6

## Client: Williams Field Services

Project: SJ Dakota Receiver

										and the state of t
Sample ID MB-36352	Samp	Type: ME	BLK	Tes	tCode: E					
Client ID: PBS	Batc	h ID: 36	352	F	RunNo: 4					
Prep Date: 2/5/2018	Analysis Date: 2/6/2018			S	SeqNo: 1	574788	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			
Sample ID LCS-36352	CS-36352 SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batch ID: 36352 RunNo: 48930									
Prep Date: 2/5/2018	Analysis [	Date: 2/	6/2018	S	SeqNo: 1	574789	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	77.3	128			
Toluene	1.1	0.050	1.000	0	106	79.2	125			
Ethylbenzene	1.1	0.050	1.000	0	106	80.7	127			
Xylenes, Total	3.2	0.10	3.000	0	108	81.6	129			
Surr: 4-Bromofluorobenzene	11		1 000		111	80	120			

## Qualifiers:

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

Page 6 of 6

- WO#: **1802087** 
  - 15-Feb-18

HALL ENVIRONMENT ANALYSIS LABORATORY	AL	Hall Environmenta All TEL: 505-345-397 Website: www.h	l Analy 490 buquerq 5 FAX: allenvir	sis Lab I Haw ue, NN 505-34 conmen	oratory kins NE 1 87109 15-4107 ital.com*	Sample Log-In Check List																	
Client Name: WILLIAMS	FIELD SERVI	Work Order Numbe	r: 180	2087			RcptNo:	1															
Received By: Anne Tho Completed By: Anne Tho Reviewed By: ENM Labeled By D	orne orne 2DS	2/2/2018 7:50:00 AM 2/2/2018 8:34:34 AM Z/Z/8			A. A.	n K.																	
Chain of Custody	1.4.0	•.	Vee		N		Not Present																
<ol> <li>Is Chain of Custody comp</li> <li>How was the sample dollar</li> </ol>	remd2		Yes	ior.	N	0	Not Plesent																
Log In 3. Was an attempt made to a	cool the samples?		Yes		N	o 🗌	NA 🗆																
4. Were all samples received	at a temperature of	of >0° C to 6.0°C	Yes	✓	N	•																	
5. Sample(s) in proper conta	iner(s)?		Yes	$\checkmark$	N	•																	
6. Sufficient sample volume f	for indicated test(s)	?	Yes	$\checkmark$	N																		
7. Are samples (except VOA	and ONG) properly	preserved?	Yes	$\checkmark$	No																		
8. Was preservative added to	bottles?		Yes		No		NA 🗌																
9. VOA vials have zero head	space?		Yes		No		No VOA Vials																
10. Were any sample containe	ers received broker	1?	Yes		N	o 🗹	# of preserved bottles checked																
11. Does paperwork match bo (Note discrepancies on cha	ttle labels? ain of custody)		Yes		No		for pH: (<2 or	>12 unless noted)															
12. Are matrices correctly iden	tified on Chain of C	Custody?	Yes		No		Adjusted?	·															
13. Is it clear what analyses w	ere requested?		Yes	$\checkmark$	No	ьЦ																	
<ol> <li>Were all holding times able (If no, notify customer for a</li> </ol>	e to be met? authorization.)	2	Yes		No		Checked by:																
Special Handling (if ap	olicable)																						
15. Was client notified of all d	iscrepancies with t	his order?	Yes		N	•	NA 🗹																
Person Notified: By Whom: Regarding: Client Instructions:		Date <b>f</b> Via:	eM	ail [	] Phone [	Fax	In Person																
16. Additional remarks:		•																					
17. <u>Cooler Information</u> Cooler No Temp®C 1 1.6	Condition Se Good Yes	al Intact Seal No	Seal D	ate	Signer	1 By		ŧ															
C	hain	-of-Cu	istody Record	Turn-Around	Time:									-		ТЕ	0			BIT			
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Client:	WF	5		Standard	□ Rush			ANALYSIS LABORATORY															
				Project Name	ə: ·			www.hallenvironmental.com															
Mailing	Address	: 188	CR 4900	ST Dakata Reciever				4901 Hawkins NE - Albuquerque, NM 87109															
Bloc	MF	Fich	Nm 874/3	Project #:				Tel. 505-345-3975 Fax 505-345-4107															
Phone	#:58	5630	2-4475					Analysis Request															
email o	r Fax#:	Kijun.	Hong@ Willioms.com	Project Mana	iger:			1)	nly)	RO)					O4)								
QA/QC Package:				1	1 11			802	as o	W/0			(SI		04,S	CB							
□ Stan	dard .		Level 4 (Full Validation)	R.JUA	Trong	111		B's	Э) H	ORC			SIN		)2,P(	82 P							
NELAP     Other			Sampler // C	VYes	//.on		THE A	TPI	1/0	8.1)	1.1)	3270		3,NC	/ 80		7				Î		
	(Type)			Sample Tem	perature 2.4	G-1.0=	1.6 Antin	4	BE +	(GR	d 41	d 50	or (	tals	ON,	des	()	VO/	J			0 )	
						-Hereita -	10000 10000	HH	ITM	15B	etho	etho	8310	3 Me	(F,C	estici	VOP	emi-	eri,			oles	
Date	Time	Matrix	Sample Request ID	Type and #	Preservative Type	HEAL	No.	+ X	+ X	H 80	N)	B (M	H's (	RA 8	SUO	1 P	0B (	0 (S	4			Bubt	
						180205	37	BTB	BTE	TP	TP	ED	PAI	RC	Ani	808	826	827	U			Air	
2/1/18	10:00	50:1	55 Dekota Recivere	1-402	Cool		105	X		X									X				
211/18	10:15	50:1	of Road Reciver	1-402	L		-202	X		X									X				
			5							<i></i>			-										
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Date:	Time:	Relinquish	ed by:	Received by:	1 1). 1		Time	Rer	nark	s:													
Date:	12:40	Relinquis	ed by:	Received by:	I Vau	 Date	Time																
2/10	1820	MAR.	L 1 20010	1	2	02/02/18																	
1118	I LOJU	samples sub	mitted to Hall Environmental may be subo	contracted to other a	ccredited laboratorie	D7S es. This serves a	O s notice of this	possi	bility.	Any si	ub-cont	racted	d data	will be	clear	ly nota	ted or	n the a	nalytic	al repo	ort.		
		V	•																				

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

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D I

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

Release Notification and Corrective Action									
	OPERATOR	Initial Report	Final Report						
Name of Company: Williams Four Corners LLC									
Address: 1755 Arroyo Dr., Farmington, NM 87413									
	Facility Type: Pipeline								
Surface Owner: State of NM Mineral Own									
	13 Mineral Own	OPERATOR Contact: Kijun Hong 13 Telephone No.: (505) 632-4475 Facility Type: Pipeline Mineral Owner	OPERATOR       Initial Report         Contact: Kijun Hong       Initial Report         13       Telephone No.: (505) 632-4475         Facility Type: Pipeline       Facility Type: Pipeline         Mineral Owner       BLM Project No.						

. .

. .

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	3	27N	10W					San Juan

Latitude 36.598556 Longitude -107.887000

#### NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: Volume Recovered: 0 MCF
	1,344.3MCF Natural Gas
	10 BBL Condensate/DW
	mixture
Source of Release: Pipeline	Date and Hour of Occurrence: Date and Hour of Discovery:
	1/26/2018 @ 2:30 PM 1/26/2018 @ 3:30 PM
Was Immediate Notice Given?	If YES, To Whom? Vanessa Fields
🛛 Yes 🗌 No 🗌 Not Requ	ired
By Whom? Kijun Hong	Date and Hour: 1/26/2018@4:36PM
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse. Approximately 1 BBL of
🛛 Yes 🗌 No	produced water/condensate mix impacted a dry wash to the south of the
	location.
the state of the second s	

If a Watercourse was Impacted, Describe Fully.\*

Approximately 10 BBLs of produced water/condensate mix was released from the pipeline failure and ran about 180ft down the lease road to reached the dry wash to the south and impacted about 60ft of the wash. Approximately 1 BBL of produced water/condensate mix impacted a dry wash.

Describe Cause of Problem and Remedial Action Taken.\*

Failure of the pipeline resulted in a gas/liquids release which ran down the lease road and reached/impacted a dry wash to the south of the location. Upon discovery, the well was shut in, and the upstream meter valve and downstream tie in valve were closed to isolate the failed section of pipeline. A crew was dispatched the next morning to begin remediation.

Describe Area Affected and Cleanup Action Taken.\*

Initial removal and disposal of contaminated soil concluded on 1/30/2018. The confirmation sample results showed two areas of exceedance (04 Composite and Bottom Composite). It should be noted that the Wash Composite came back all Non-Detect.

The second remediation effort concluded on 2/6/2018. The confirmation sampling results showed a TPH concentration of 153 mg/kg for the Side 02 3'.9 to 8' sample. Morgan Killion spoke with Vanessa Field who granted permission to close the excavation and deemed the remediation satisfactory.

Please see attached Remediation Excavation and Sampling Forms and Confirmation Sample Results for further details.

NMOCD

MAR 1 4 2018

DISTRICT III

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	Approved by Environmental Specialist:							
Title: Environmental Specialist	Approval Date: 3120115 Expiration Date:							
E-mail Address: kijun.hong@williams.com	Conditions of Approval:							
Date: 3/9/2018 Phone: (505) 632-4475								
* Attach Additional Sheets If Necessary	NVF-1805335187							

#### **Remediation Excavation and Sampling Form**

Site Name Kutz Gov. # 7 **Excavation Dimensions (feet)** \_\_\_\_\_ Length \_\_\_\_\_ / to 2 \_\_\_\_\_ Width \_\_\_\_\_ 2 to 3 '\_\_\_\_\_ 275 Depth

# **Excavation Diagram and Sample Locations**

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



Sample Information

# OCD Witness Sampling Yes or No Agency(s) Representative(s)

Sample ID	Sample Date	Type (Composite, Grab)	Location (Floor, Sidewall)	Comments
KutzGou#7 Wash	1-30-18	composite	FIGOR	63.90
Kut2 600 # 7	1-30-18	composite	Floor	96.50
KU12 600 # 7	1-20-18	composite	Floor	102.10
Kut 2 600 #7	1-30-18	composite	Floor	155.85
Kut2 601 # 7	1-30-18	com posite	Floor	468.05-
Kutz 600#7 Road	1-30.18	conposite	Floor	16:30
Kut2 600 #7 5: de Nall	1-30-18	Composite	sidewall	1892
Kutz Gou#7 Bottom	1-30-18	COMPOSITC	Floor	2000



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

February 05, 2018

Kijun Hong Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: FAX

RE: Kutz Gov 7

OrderNo.: 1801D91

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 8 sample(s) on 1/31/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**Project:** 

Lab ID:

**CLIENT:** Williams Field Services Client Sample ID: Wash Composite Kutz Gov 7 Collection Date: 1/30/2018 12:00:00 PM 1801D91-001 Received Date: 1/31/2018 7:00:00 AM Matrix: SOIL Result POL Qual Units **DF** Date Analyzed Batch

Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	2/2/2018 4:43:38 AM	36298
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	s			Analyst:	том
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/1/2018 10:38:26 AM	36289
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	2/1/2018 10:38:26 AM	36289
Surr: DNOP	89.1	70-130	%Rec	1	2/1/2018 10:38:26 AM	36289
EPA METHOD 8015D: GASOLINE RANGE	Ξ				Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2018 5:33:37 PM	36284
Surr: BFB	96.5	15-316	%Rec	1	2/1/2018 5:33:37 PM	36284
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	2/1/2018 5:33:37 PM	36284
Toluene	ND	0.048	mg/Kg	1	2/1/2018 5:33:37 PM	36284
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2018 5:33:37 PM	36284
Xylenes, Total	ND	0.096	mg/Kg	1	2/1/2018 5:33:37 PM	36284
Surr: 4-Bromofluorobenzene	95.4	80-120	%Rec	1	2/1/2018 5:33:37 PM	36284

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 12
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services

Kutz Gov 7

**Project:** 

Date Reported: 2/5/2018 Client Sample ID: 01 Composite Collection Date: 1/30/2018 12:10:00 PM

Lab ID: 1801D91-002 Matrix: SOIL Received Date: 1/31/2018 7:00:00 AM Result PQL Qual Units Analyses **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride ND 30 mg/Kg 20 2/2/2018 4:56:03 AM 36298 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: TOM Diesel Range Organics (DRO) ND 2/1/2018 11:06:14 AM 9.2 36289 mg/Kg 1 Motor Oil Range Organics (MRO) ND 46 mg/Kg 2/1/2018 11:06:14 AM 36289 1 Surr: DNOP 96.5 70-130 %Rec 2/1/2018 11:06:14 AM 36289 1 EPA METHOD 8015D: GASOLINE RANGE Analyst: RAA Gasoline Range Organics (GRO) ND 2/1/2018 6:43:28 PM 36284 4.8 mg/Kg 1 Surr: BFB %Rec 93.1 15-316 1 2/1/2018 6:43:28 PM 36284 **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.024 mg/Kg 1 2/1/2018 6:43:28 PM 36284 Toluene ND 0.048 2/1/2018 6:43:28 PM 36284 mg/Kg 1 Ethylbenzene ND 0.048 mg/Kg 1 2/1/2018 6:43:28 PM 36284 Xylenes, Total ND 0.096 mg/Kg 2/1/2018 6:43:28 PM 36284 1 Surr: 4-Bromofluorobenzene 97.0 80-120 %Rec 2/1/2018 6:43:28 PM 1 36284

the second				
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 12
ND Not Detected at the Reporting Limit		Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

#### Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Williams Field Services
 Client Sample ID: 02 Composite

 Project:
 Kutz Gov 7
 Collection Date: 1/30/2018 12:20:00 PM

 Lab ID:
 1801D91-003
 Matrix: SOIL
 Received Date: 1/31/2018 7:00:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF
 Date Analyzed
 Batch

	STATUS OF COMPANY AND INCOME.	CONTRACTOR OF THE OWNER OF THE OWNER	and the state of t	A REAL PROPERTY OF THE PARTY OF	A DESCRIPTION OF STREET, AND A DESCRIPTION OF STREET, AND A DESCRIPTION OF STREET, AND A DESCRIPTION OF STREET,	A DATE OF BRIDE
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	2/2/2018 5:08:28 AM	36298
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst:	том
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/1/2018 11:34:00 AM	36289
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/1/2018 11:34:00 AM	36289
Surr: DNOP	90.5	70-130	%Rec	1	2/1/2018 11:34:00 AM	36289
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst:	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2018 7:06:46 PM	36284
Surr: BFB	103	15-316	%Rec	1	2/1/2018 7:06:46 PM	36284
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	2/1/2018 7:06:46 PM	36284
Toluene	ND	0.048	mg/Kg	1	2/1/2018 7:06:46 PM	36284
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2018 7:06:46 PM	36284
Xylenes, Total	ND	0.097	mg/Kg	1	2/1/2018 7:06:46 PM	36284
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	2/1/2018 7:06:46 PM	36284

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 12
ND Not Detected at the Reporting Limit		Р	Sample pH Not In Range	
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# Analytical Report Lab Order 1801D91

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services

Project: Kutz Gov 7

Date Reported: 2/5/2018 Client Sample ID: 03 Composite

Collection Date: 1/30/2018 12:25:00 PM Received Date: 1/31/2018 7:00:00 AM

Lab ID: 1801D91-004	Matrix:	SOIL	Received 1	Received Date: 1/31/2018 7:00:00 AM					
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	MRA			
Chloride	ND	30	mg/Kg	20	2/2/2018 5:20:52 AM	36298			
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	6			Analyst	том			
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/1/2018 12:01:42 PM	36289			
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/1/2018 12:01:42 PM	36289			
Surr: DNOP	93.1	70-130	%Rec	1	2/1/2018 12:01:42 PM	36289			
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	RAA			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2018 7:30:08 PM	36284			
Surr: BFB	114	15-316	%Rec	1	2/1/2018 7:30:08 PM	36284			
EPA METHOD 8021B: VOLATILES					Analyst	RAA			
Benzene	ND	0.024	mg/Kg	1	2/1/2018 7:30:08 PM	36284			
Toluene	ND	0.048	mg/Kg	1	2/1/2018 7:30:08 PM	36284			
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2018 7:30:08 PM	36284			
Xylenes, Total	0.19	0.096	mg/Kg	1	2/1/2018 7:30:08 PM	36284			
Surr: 4-Bromofluorobenzene	98.5	80-120	%Rec	1	2/1/2018 7:30:08 PM	36284			

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 12
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

#### Hall Environmental Analysis Laboratory, Inc.

# CLIENT: Williams Field Services Client Sample ID: 04 Composite Project: Kutz Gov 7 Collection Date: 1/30/2018 12:30:00 PM Lab ID: 1801D91-005 Matrix: SOIL Received Date: 1/31/2018 7:00:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch

EPA METHOD 300.0: ANIONS							Analyst:	MRA
Chloride	ND	30		mg/Kg	20	2/1/2018 5:05:	38 PM	36320
EPA METHOD 8015M/D: DIESEL RANGE O	ORGANIC	s					Analyst:	том
Diesel Range Organics (DRO)	24	9.3		mg/Kg	1	2/1/2018 12:29	):34 PM	36289
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/1/2018 12:29	):34 PM	36289
Surr: DNOP	94.8	70-130		%Rec	1	2/1/2018 12:29	):34 PM	36289
EPA METHOD 8015D: GASOLINE RANGE							Analyst:	RAA
Gasoline Range Organics (GRO)	250	24		mg/Kg	5	2/2/2018 10:51	:18 AM	36284
Surr: BFB	398	15-316	S	%Rec	5	2/2/2018 10:51	:18 AM	36284
EPA METHOD 8021B: VOLATILES							Analyst:	RAA
Benzene	ND	0.12		mg/Kg	5	2/2/2018 10:51	:18 AM	36284
Toluene	1.0	0.24		mg/Kg	5	2/2/2018 10:51	:18 AM	36284
Ethylbenzene	1.3	0.24		mg/Kg	5	2/2/2018 10:51	:18 AM	36284
Xylenes, Total	13	0.48		mg/Kg	5	2/2/2018 10:51	:18 AM	36284
Surr: 4-Bromofluorobenzene	118	80-120		%Rec	5	2/2/2018 10:51	:18 AM	36284

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits Page 5 of 12
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

#### Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Road Composite

 Project:
 Kutz Gov 7
 Collection Date: 1/30/2018 1:00:00 PM

 Lab ID:
 1801D91-006
 Matrix: SOIL
 Received Date: 1/31/2018 7:00:00 AM

 Analyses
 Result
 POL
 Oual
 Units
 DE
 Date Analyzed

Result	PQL Qua	l Units	DF	Date Analyzed	Batch
				Analyst	MRA
ND	30	mg/Kg	20	2/1/2018 5:18:03 PM	36320
ORGANIC	5			Analyst	том
ND	9.7	mg/Kg	1	2/1/2018 12:57:44 PM	36289
ND	48	mg/Kg	1	2/1/2018 12:57:44 PM	36289
103	70-130	%Rec	1	2/1/2018 12:57:44 PM	36289
E				Analyst	RAA
ND	4.9	mg/Kg	1	2/1/2018 8:17:12 PM	36284
96.6	15-316	%Rec	1	2/1/2018 8:17:12 PM	36284
				Analyst:	RAA
ND	0.024	mg/Kg	1	2/1/2018 8:17:12 PM	36284
0.069	0.049	mg/Kg	1	2/1/2018 8:17:12 PM	36284
ND	0.049	mg/Kg	1	2/1/2018 8:17:12 PM	36284
0.23	0.098	mg/Kg	1	2/1/2018 8:17:12 PM	36284
95.7	80-120	%Rec	1	2/1/2018 8:17:12 PM	36284
	Result ND ORGANICS ND 103 E ND 96.6 ND 0.069 ND 0.23 95.7	Result         PQL         Qual           ND         30           ORGANICS	Result         PQL         Qual         Units           ND         30         mg/Kg           ORGANICS	Result         PQL         Qual         Units         DF           ND         30         mg/Kg         20           ORGANICS          1         1           ND         9.7         mg/Kg         1           ND         48         mg/Kg         1           103         70-130         %Rec         1           E         ND         4.9         mg/Kg         1           96.6         15-316         %Rec         1           ND         0.024         mg/Kg         1           ND         0.049         mg/Kg         1           ND         0.049         mg/Kg         1           0.23         0.098         mg/Kg         1           95.7         80-120         %Rec         1	Result         PQL         Qual         Units         DF         Date Analyzed           ND         30         mg/Kg         20         2/1/2018 5:18:03 PM           ND         30         mg/Kg         20         2/1/2018 5:18:03 PM           ORGANICS         Analyst:           ND         9.7         mg/Kg         1         2/1/2018 12:57:44 PM           ND         48         mg/Kg         1         2/1/2018 12:57:44 PM           103         70-130         %Rec         1         2/1/2018 12:57:44 PM           103         70-130         %Rec         1         2/1/2018 12:57:44 PM           6         15-316         %Rec         1         2/1/2018 8:17:12 PM           96.6         15-316         %Rec         1         2/1/2018 8:17:12 PM           0.069         0.049         mg/Kg         1         2/1/2018 8:17:12 PM           0.069         0.049         mg/Kg         1         2/1/2018 8:17:12 PM           ND         0.049         mg/Kg         1         2/1/2018 8:17:12 PM           0.23         0.098         mg/Kg         1         2/1/2018 8:17:12 PM           0.23         0.098         mg/Kg         1         2/1/201

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 12
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Side Wall Composite

 Project:
 Kutz Gov 7
 Collection Date: 1/30/2018 1:15:00 PM

 Lab ID:
 1801D91-007
 Matrix: SOIL
 Received Date: 1/31/2018 7:00:00 AM

 Analyses
 Result
 POL
 Oual
 Units
 DF
 Date Analyzed
 Batch

Anaryses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	2/1/2018 5:30:28 PM	36320
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS	;			Analyst	TOM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/1/2018 1:25:43 PM	36289
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/1/2018 1:25:43 PM	36289
Surr: DNOP	98.4	70-130	%Rec	1	2/1/2018 1:25:43 PM	36289
EPA METHOD 8015D: GASOLINE RANG	ε				Analyst	RAA
Gasoline Range Organics (GRO)	25	4.8	mg/Kg	1	2/2/2018 11:14:40 AM	36284
Surr: BFB	311	15-316	%Rec	1	2/2/2018 11:14:40 AM	36284
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/2/2018 11:14:40 AM	36284
Toluene	ND	0.048	mg/Kg	1	2/2/2018 11:14:40 AM	36284
Ethylbenzene	0.057	0.048	mg/Kg	1	2/2/2018 11:14:40 AM	36284
Xylenes, Total	0.38	0.096	mg/Kg	1	2/2/2018 11:14:40 AM	36284
Surr: 4-Bromofluorobenzene	112	80-120	%Rec	1	2/2/2018 11:14:40 AM	36284

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 7 of 12
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

#### Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Bottom Composite

 Project:
 Kutz Gov 7
 Collection Date: 1/30/2018 1:20:00 PM

 Lab ID:
 1801D91-008
 Matrix: SOIL
 Received Date: 1/31/2018 7:00:00 AM

 Analyses
 Result
 POL Oual Units
 DF Date Analyzed
 I

Result	PQL Qua	l Units	DF	Date Analyzed	Batch
				Analyst	MRA
ND	30	mg/Kg	20	2/1/2018 5:42:53 PM	36320
ORGANIC	S			Analyst	TOM
460	8.7	mg/Kg	1	2/1/2018 1:53:18 PM	36289
ND	43	mg/Kg	1	2/1/2018 1:53:18 PM	36289
91.1	70-130	%Rec	1	2/1/2018 1:53:18 PM	36289
E				Analyst	RAA
2200	99	mg/Kg	20	2/1/2018 9:04:13 PM	36284
549	15-316 S	%Rec	20	2/1/2018 9:04:13 PM	36284
				Analyst	RAA
1.5	0.49	mg/Kg	20	2/1/2018 9:04:13 PM	36284
31	0.99	mg/Kg	20	2/1/2018 9:04:13 PM	36284
11	0.99	mg/Kg	20	2/1/2018 9:04:13 PM	36284
95	2.0	mg/Kg	20	2/1/2018 9:04:13 PM	36284
115	80-120	%Rec	20	2/1/2018 9:04:13 PM	36284
	Result ND ORGANIC: 460 ND 91.1 2200 549 1.5 31 11 95 115	Result         PQL         Qua           ND         30           ORGANICS	Result         PQL         Qual         Units           ND         30         mg/Kg           ORGANICS          mg/Kg           460         8.7         mg/Kg           91.1         70-130         %Rec           2200         99         mg/Kg           549         15-316         S         %Rec           1.5         0.49         mg/Kg           31         0.99         mg/Kg           11         0.99         mg/Kg           95         2.0         mg/Kg           115         80-120         %Rec	Result         PQL         Qual         Units         DF           ND         30         mg/Kg         20           ORGANICS         460         8.7         mg/Kg         1           460         8.7         mg/Kg         1           91.1         70-130         %Rec         1           2200         99         mg/Kg         20           549         15-316         S         %Rec         20           1.5         0.49         mg/Kg         20           31         0.99         mg/Kg         20           11         0.99         mg/Kg         20           95         2.0         mg/Kg         20           115         80-120         %Rec         20	Result         PQL         Qual         Units         DF         Date Analyzed           ND         30         mg/Kg         20         2/1/2018 5:42:53 PM         Analyst:           ND         30         mg/Kg         20         2/1/2018 5:42:53 PM         Analyst:           ORGANICS         Analyst:         Analyst:         Analyst:         Analyst:           460         8.7         mg/Kg         1         2/1/2018 1:53:18 PM           91.1         70-130         %Rec         1         2/1/2018 1:53:18 PM           91.1         70-130         %Rec         1         2/1/2018 1:53:18 PM           2200         99         mg/Kg         20         2/1/2018 9:04:13 PM           549         15-316         S         %Rec         20         2/1/2018 9:04:13 PM           549         15-316         S         %Rec         20         2/1/2018 9:04:13 PM           1.5         0.49         mg/Kg         20         2/1/2018 9:04:13 PM           31         0.99         mg/Kg         20         2/1/2018 9:04:13 PM           31         0.99         mg/Kg         20         2/1/2018 9:04:13 PM           11         0.99         mg/Kg         20 </td

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 8 of 12
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

WO#:	1801D91

05-Feb-18

Client:	Williams	Field Services								
<b>Project:</b>	Kutz Gov	7								
Sample ID	MB-36298	SampType:	mblk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	DRC	Botob ID: 1	26209			0020		-		
Client ID:	PB2	Balch ID.	36298	Г	KUNNO. 4	0030				
Prep Date:	2/1/2018	Analysis Date:	2/1/2018	5	SeqNo: 1	571779	Units: mg/K	g		
Analyte		Result PQI	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.	.5							
Sample ID	LCS-36298	SampType: I	lcs	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID:	36298	F	RunNo: 4	8838				
Prep Date:	2/1/2018	Analysis Date:	2/1/2018	S	SeqNo: 1	571780	Units: mg/K	g		
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.	.5 15.00	0	92.8	90	110			
Sample ID	MB-36320	SampType: I	mblk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch ID:	36320	F	RunNo: 4	8858				
Prep Date:	2/1/2018	Analysis Date:	2/1/2018	S	SeqNo: 1	572349	Units: mg/K	g		
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.	.5							
Sample ID	LCS-36320	SampType: I	lcs	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID:	36320	F	RunNo: 4	8858				
Prep Date:	2/1/2018	Analysis Date:	2/1/2018	S	SeqNo: 1	572350	Units: mg/K	g		
Analyte		Result PQI	_ SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.	.5 15.00	0	90.2	90	110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W
- J Analyte detected below quantitation limits
- Page 9 of 12

8.7

10.00

Client: Willia	ms Field Serv	vices								
Project: Kutz (	Gov 7									
Sample ID LCS-36289	SampT	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch	h ID: 36	289	F	RunNo: 4	8828				
Prep Date: 1/31/2018	Analysis D	Date: 2/	1/2018	S	SeqNo: 1	571276	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.1	70	130			
Surr: DNOP	4.6		5.000		92.7	70	130			
Sample ID MB-36289	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	n ID: 36	289	F	RunNo: 4	8828				
Prep Date: 1/31/2018	Analysis D	Date: 2/	1/2018	5	SeqNo: 1	571277	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								

87.1

70

130

Qualifiers:

Surr: DNOP

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1801D91

05-Feb-18

WO#: **1801D91** 

05-Feb-18

Client:	Williams	Field Serv	vices								
Project:	Kutz Gov	, /									
Sample ID	1801D91-001AMS	SampT	ype: MS	S	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	le	
Client ID:	Wash Composite	Batcl	n ID: 36	284	F	RunNo: 4	8855				
Prep Date:	1/31/2018	Analysis D	Date: 2/	1/2018	5	SeqNo: 1	572256	Units: mg/ł	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	27	4.9	24.30	1.124	108	77.8	128			
Surr: BFB		1000		971.8		1 <mark>0</mark> 7	15	316			
Sample ID	1801D91-001AMS	D SampT	уре: М	SD	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	Wash Composite	Batch	n ID: 36	284	F	RunNo: 4	8855				
Prep Date:	1/31/2018	Analysis D	ate: 2/	1/2018	5	SeqNo: 1	572257	Units: mg/k	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	27	4.7	23.56	1.124	108	77.8	128	3.03	20	
Surr: BFB		1000		942.5		108	15	316	0	0	
Sample ID	LCS-36284	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	LCSS	Batch	n ID: 36	284	F	RunNo: 4	8855				
Prep Date:	1/31/2018	Analysis D	ate: 2/	1/2018	S	SeqNo: 1	572275	Units: mg/k	٢g		
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	98.4	75.9	131			
Surr: BFB		1100		1000		107	15	316			
Sample ID	MB-36284	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	PBS	Batch	n ID: 36	284	R	RunNo: 4	8855				
Prep Date:	1/31/2018	Analysis D	ate: 2/	1/2018	S	SeqNo: 1	572276	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		900		1000		89.6	15	316			

Qualifiers:

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

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#### **Client:** Williams Field Services

**Project:** Kutz Gov 7

		to to be the second								
Sample ID LCS-36284	Samp	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 36	284	F	RunNo: 4	8855				
Prep Date: 1/31/2018	Analysis E	Date: 2/	1/2018	S	SeqNo: 1	572312	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	77.3	128			
Toluene	1.0	0.050	1.000	0	105	79.2	125			
Ethylbenzene	1.0	0.050	1.000	0	104	80.7	127			
Xylenes, Total	3.2	0.10	3.000	0	107	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			
Sample ID MB-36284	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batcl	n ID: 36	284	R	RunNo: 4	8855				
Prep Date: 1/31/2018	Analysis E	ate: 2/	1/2018	S	SeqNo: 1	572313	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1 000		94 7	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level. \*
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#:

HALL Environmental Analysis Laboratory	Hall Environmenta Al TEL: 505-345-397 Website: www.h	al Analy: 490 buquerq 15 FAX: hallenvir	sis Laboratory 1 Hawkins NE ue, NM 87109 505-345-4107 conmental.com	Sar	nple Log-In Check List
Client Name: WILLIAMS FIEL	D SERVI Work Order Numbe	er: 1801	ID91		RcptNo: 1
Received By: Anne Thorne	1/31/2018 7:00:00 AM	N	C	Jone H.	~
Completed By: Anne Thorne Reviewed By:	1/31/2018 8:53:54 AM 1   31   18	N	C	Jon H.	
Chain of Custody				_	_
1. Is Chain of Custody complete?		Yes	$\checkmark$	No 🛄	Not Present
2. How was the sample delivered?		Cour	ier		
Log In 3. Was an attempt made to cool th	e samples?	Yes		No	NA 🗆
4. Were all samples received at a t	emperature of >0° C to 6.0°C	Yes	$\checkmark$	No 🗌	NA 🗆
5. Sample(s) in proper container(s)	?	Yes	$\checkmark$	No 🗌	
6. Sufficient sample volume for indi	cated test(s)?	Yes	<b>v</b>	No 🗌	
7. Are samples (except VOA and O	NG) properly preserved?	Yes		No 🗌	
8. Was preservative added to bottle	25?	Yes		No 🗹	NA 🗔
9. VOA vials have zero headspace?	?	Yes	<b>_ r</b>	No 🗌	No VOA Vials 🗹
10. Were any sample containers rec	eived broken?	Yes		No 🗹	# of preserved
11. Does paperwork match bottle lab (Note discrepancies on chain of o	els? custody)	Yes	<b>V</b> 1	No 🗌	for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified of	on Chain of Custody?	Yes	v 1	No 🗌	Adjusted?
13. Is it clear what analyses were rec	uested?	Yes		No 🗌	
14. Were all holding times able to be (If no, notify customer for authori	met? zation.)	Yes		No 🗌	Checked by:
Special Handling (if applical	ble)				
15. Was client notified of all discrepa	ancies with this order?	Yes		No 🗌	NA 🗹
Person Notified:	Date	iten af is na state it. It		Street or a contract of	
By Whom:	Via: [	🗌 eMa	il 📃 Phone	🗌 Fax	In Person
Regarding:	A RECENTED AND A RECEIPTION OF A	n bra elen as a an an arts			
Client Instructions: 1					
17. <u>Cooler Information</u>			1		1
Cooler No   Temp °C   Con 1 1.0 Good	I Yes	Seal Da	te Sign	ed By	
<u>.</u>					

----

·\_\_\_\_

C	hain	-of-Cu	istody Record	Turn-Around	Time:	2-3-18										~				<b>.</b>	
Client:	WES			Standard	V Rush	3da Y				-	A		V	V V Sto				ME	NIA	AL	,
-				Project Name	9:	Port				200		a hai		iron			50	n.	10	KI	
Mailing	Address	:175-	- APPAYA DR	K.L.Z	1 4-	7		10	04.1	lau li		v.na	Alle	II O ( II	nen	a M	110	7400			
310	mun í	1139	TRADIO DA.	Project #:	GOV. IL	/		49	UTH	awki			AD		erqu	e. N	N 8/	709			
Phone	H. E	12101	019 81910					16	9. 50	15-34	10-31	375 A	nah	-ax	SUS-	345 uesi	-410 1		1975	1944	75-31 75-31
email o	r Fax#	KILON.	HONG @ Williams, Com	Project Mana	der		Star 1984 A	у)	ô					-7			and a		a		
QA/QC	Package:	101			901.		221) MR(01 B's														
Stan	dard		Level 4 (Full Validation)	Kijun	HONG			(Gas	102			SIMS		PO	PC						
Accred	tation			Sampler: Morgan Killian			MB	HH	/ DF	÷	÷	20 S		03	3082						9
	AP	□ Othe	r	On Ice:	Yes	□ No	504.8 500.8 500.8			(YC				Or N							
	(Type)	T	ſ	Sample Tem	perature: /	0	TBE	TBE	B (G	pot	pot	10 0	letal	CI'N	icide	(A)	1i-VC	6.de			5 (7
Dete	Time	Matrix	Camala Deguast ID	Container	Preservative		W +	W +	015	Meth	Meth	(83	8 N	s (F,	lest	S	Sen	60			bblo
Date	Time	Matrix	Sample Request ID	Type and #	Туре	HEAL NO.	LEX	TEX	H 8	H	<b>DB</b> (	AH's	CRA	ions	81 F	60B	270 (	V			r Bu
1/1 /		1	1.1.06		A 1	1801 091	2	B	1 V	F	Ш	P	Ř	Ar	80	82	82	-	_		Ī
138/18	1200	50.1	Wash composite	1-402	(001	1001	1		3									X			-
30/18	1210	Soil	Ol composite	1-402		-202	1		X									X			
30/18	1220	5011	02 COMPOSITE	1-402		703	X		Х									X			
130/18	1225-	soil	03 composite	1-402		-204	X		Х									X			
130/18	1230	soil	04 composite	1-402		705	X		X									X			
130/18	1100	50:1	Road composite	1-402		-206	X		X									X			
130/18	1:15	Soil	5) dewall composite	1-40Z		207	×		X									X			
1/3/118	1:20	50,1	Bottom Composite	1-402		28	X		X									X			
30																					Γ
M 131 M																					
Date:	Time:	Relinquish	ed by:	Received by:	. ] .	Date Time	Rer	nark	s:												-
50/18	1625	110	y Sillon	1 Mist	In Walt	134/18 1625															
Date:	lime:	Relinquish	ed by:	received by:	1 (	) 01/3//18															
1.50/18	1844	Ville	te libele	V UI	nm-	L 0700															

If necessary, semples 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

# **Remediation Excavation and Sampling Form**

Site Name <u>K</u> ı	Itz Gov #	7			
Excavation Dim	ensions (feet)				
8`	Length	8 '	Width	8'	Depth

# **Excavation Diagram and Sample Locations**

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



#### Sample Information

# OCD Witness Sampling (Yes or No

Agency(s) Representative(s) Vanues Fixed

		Туре	Location	
Sample ID	Sample Date	(Composite, Grab)	(Floor, Sidewall)	Comments
Kutz Gov# 7 02 60Hom	2-6-18	composife	FLOOR	25.85 PPm
Kut2GOVA7	2-6-18	composite	sidewall	15.60 PPM
Kutz Gov#7 ARCG 4 07	2-6-18	composite	Floor	629-0
		1		



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

February 08, 2018

Kijun Hong Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: FAX

OrderNo.: 1802337

Dear Kijun Hong:

RE: Kutz Gov 7

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/7/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Kutz Gov #7 Area-4-02 Comp

 Project: Kutz Gov 7
 Collection Date: 2/6/2018 1:50:00 PM

 Lab ID: 1802337-001
 Matrix: SOIL
 Received Date: 2/7/2018 7:00:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF
 Date Analyzed
 Batch

	A DAMES OF STREET, S			A CONTRACT OF A CONTRACTOR OF A		
EPA METHOD 300.0: ANIONS					Analyst:	CJS
Chloride	ND	30	mg/Kg	20	2/7/2018 11:44:30 AM	36396
EPA METHOD 8015M/D: DIESEL RANG		S			Analyst:	JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/7/2018 8:34:24 AM	36394
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/7/2018 8:34:24 AM	36394
Surr: DNOP	86.4	70-130	%Rec	1	2/7/2018 8:34:24 AM	36394
EPA METHOD 8015D: GASOLINE RANG	ε				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	2/7/2018 9:39:31 AM	G48962
Surr: BFB	98.3	15-316	%Rec	1	2/7/2018 9:39:31 AM	G48962
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.020	mg/Kg	1	2/7/2018 9:39:31 AM	B48962
Toluene	ND	0.040	mg/Kg	1	2/7/2018 9:39:31 AM	B48962
Ethylbenzene	ND	0.040	mg/Kg	1	2/7/2018 9:39:31 AM	B48962
Xylenes, Total	ND	0.080	mg/Kg	1	2/7/2018 9:39:31 AM	B48962
Surr: 4-Bromofluorobenzene	96.2	80-120	%Rec	1	2/7/2018 9:39:31 AM	B48962

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method B	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded J Analyte		Analyte detected below quantitation limits	Page 1 of 8
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	rage roro
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit	as specified

# Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Kutz Gov #7 Bottom 02

 Project:
 Kutz Gov 7

 Lab ID:
 1802337-002

 Matrix:
 SOIL

 Received Date:
 2/7/2018

 Analyses
 Result

 POL
 Qual

 Units
 DF

 Date Analyzed
 Batch

1 that y ses	Result	LYI	Quai Units	DI	Date Maryzeu	Daten
EPA METHOD 300.0: ANION	IS				Analyst	t: CJS
Chloride	ND	30	mg/Kg	20	2/7/2018 11:56:55 AM	36396
EPA METHOD 8015M/D: DIE	SEL RANGE ORGANI	CS			Analyst	t: JME
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/7/2018 9:01:46 AM	36394
Motor Oil Range Organics (MR	O) ND	49	mg/Kg	1	2/7/2018 9:01:46 AM	36394
Surr: DNOP	91.0	70-130	%Rec	1	2/7/2018 9:01:46 AM	36394
EPA METHOD 8015D: GASC	LINE RANGE				Analyst	NSB
Gasoline Range Organics (GR	D) ND	21	mg/Kg	5	2/7/2018 10:03:08 AM	G48962
Surr: BFB	101	15-316	%Rec	5	2/7/2018 10:03:08 AM	G48962
EPA METHOD 8021B: VOLA	TILES				Analyst	NSB
Benzene	ND	0.10	mg/Kg	5	2/7/2018 10:03:08 AM	B48962
Toluene	ND	0.21	mg/Kg	5	2/7/2018 10:03:08 AM	B48962
Ethylbenzene	ND	0.21	mg/Kg	5	2/7/2018 10:03:08 AM	B48962
Xylenes, Total	ND	0.42	mg/Kg	5	2/7/2018 10:03:08 AM	B48962
Surr: 4-Bromofluorobenzene	96.5	80-120	%Rec	5	2/7/2018 10:03:08 AM	B48962

And the second sec					
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method B	lank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 2 of 8
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 age 2 01 8
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit	as specified

#### Hall Environmental Analysis Laboratory, Inc.

# CLIENT: Williams Field Services Client Sample ID: Kutz Gov #7 Side 02 3'.9 to 8' Project: Kutz Gov 7 Collection Date: 2/6/2018 1:40:00 PM Lab ID: 1802337-003 Matrix: SOIL Received Date: 2/7/2018 7:00:00 AM Analyses Result POL Oual Units DF Date Analyzed Batch

		- 2- 1	Zana c			Dutterrain		Butten
EPA METHOD 300.0: ANIONS							Analyst:	CJS
Chloride	ND	30	n	ng/Kg	20	2/7/2018 12:	09:19 PM	36396
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS						Analyst:	JME
Diesel Range Organics (DRO)	23	10	n	ng/Kg	1	2/7/2018 9:2	9:06 AM	36394
Motor Oil Range Organics (MRO)	ND	50	n	ng/Kg	1	2/7/2018 9:2	9:06 AM	36394
Surr: DNOP	89.5	70-130	9	%Rec	1	2/7/2018 9:2	9:06 AM	36394
EPA METHOD 8015D: GASOLINE RAN	GE						Analyst:	NSB
Gasoline Range Organics (GRO)	130	22	n	ng/Kg	5	2/7/2018 10:	26:44 AM	G48962
Surr: BFB	342	15-316	S %	%Rec	5	2/7/2018 10:	26:44 AM	G48962
EPA METHOD 8021B: VOLATILES							Analyst:	NSB
Benzene	ND	0.11	n	ng/Kg	5	2/7/2018 10:	26:44 AM	B48962
Toluene	0.32	0.22	n	ng/Kg	5	2/7/2018 10:	26:44 AM	B48962
Ethylbenzene	0.39	0.22	n	ng/Kg	5	2/7/2018 10:	26:44 AM	B48962
Xylenes, Total	2.7	0.44	n	ng/Kg	5	2/7/2018 10:	26:44 AM	B48962
Surr: 4-Bromofluorobenzene	109	80-120	9	%Rec	5	2/7/2018 10:	26:44 AM	B48962

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method I	Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 3 of 8
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 age 5 01 8
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	S % Recovery outside of range due to dilution or matrix W Sample container te		Sample container temperature is out of limit	t as specified

Client: Project:	Willia Kutz (	ms Field Services Gov 7								
Sample ID	MB-36396	SampType:	mblk	Tes	tCode: EPA	A Method	300.0: Anion	s		
Client ID:	PBS	Batch ID:	36396	R	RunNo: 489	963				
Prep Date:	2/7/2018	Analysis Date:	2/7/2018	S	BeqNo: 157	76512	Units: mg/K	g		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1	.5							
Sample ID	LCS-36396	SampType:	lcs	Test	tCode: EPA	A Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID:	36396	R	RunNo: 489	963				
Prep Date:	2/7/2018	Analysis Date:	2/7/2018	S	SeqNo: 157	6513	Units: mg/K	g		
Analyte		Result PQI	L SPK value	SPK Ref Val	%REC L	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1	.5 15.00	0	95.0	90	110			

Qualifiers:

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

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1802337 *08-Feb-18* 

WO#:

Client:	Williams	Field Servic	es								
Project:	Kutz Gov	7									
Sample ID	MB-36394	SampTyr	e: MB	LK	Tes	tCode: El	PA Method	8015M/D: Di€	esel Rango	e Organics	
Client ID:	PBS	Batch II	D: 363	94	F	RunNo: 4	8946		J	e gamee	
Prep Date:	2/7/2018	Analysis Dat	e: 2/7	//2018	S	SeqNo: 1	574942	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	ND	10								
Motor Oil Rang	je Organics (MRO)	ND	50	10.00		05.0	70	100			
Surr: DNOP		9.6		10.00		95.8	70	130			
Sample ID	LCS-36394	SampTyp	e: LCS	3	Test	tCode: El	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	LCSS	Batch II	): <b>363</b>	94	R	lunNo: 4	8946				
Prep Date:	2/7/2018	Analysis Date	e: 2/7	/2018	S	eqNo: 1	574943	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	54	10	50.00	0	108	70	130			
Surr: DNOP		5.1		5.000		103	70	130			
Sample ID	1802337-001AMS	SampTyp	e: MS		Test	Code: El	PA Method	8015M/D: Die	sel Range	• Organics	
Client ID:	Kutz Gov #7 Area-	4- Batch II	): <b>363</b>	94	R	unNo: 4	8945				
Prep Date:	2/7/2018	Analysis Date	e: 2/7	/2018	S	eqNo: 1	575183	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	45	9.6	48.08	0	92.7	55.8	125			
Surr: DNOP		4.4		4.808		91.4	70	130			
Sample ID	1802337-001AMSE	SampTyp	e: MSI	D	Test	Code: El	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	Kutz Gov #7 Area-	4- Batch II	D: 363	94	R	unNo: 4	8945				
Prep Date:	2/7/2018	Analysis Date	e: 2/7	/2018	S	eqNo: 1	575184	Units: mg/Kg	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	47	9.8	48.97	0	95.9	55.8	125	5.17	20	
Surr: DNOP		4.4		4.897		90.5	70	130	0	0	
Sample ID	MB-36390	SampTyp	e: MBI	LK	Test	Code: EF	PA Method	8015M/D: Die	sel Range	• Organics	
Client ID:	PBS	Batch II	D: 363	90	R	unNo: 4	8946				
Prep Date:	2/6/2018	Analysis Date	e: 2/7	/2018	S	eqNo: 1	576206	Units: %Rec	:		
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		9.5		10.00		95.3	70	130			
Sample ID	LCS-36390	SampTyp	e: LCS	3	Test	Code: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID:	LCSS	Batch II	): <b>363</b> !	90	R	unNo: 4	8946		-	-	
Prep Date:	2/6/2018	Analysis Date	e: 2/7	/2018	S	eqNo: 1!	576208	Units: %Rec			
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 08-Feb-18

1802337

Client: Project:	Willia Kutz C	ms Field Servi Gov 7	ces							
Sample ID	LCS-36390	SampTy	pe: L	cs	Tes	tCode: I	EPA Method	8015M/D: Die	esel Range	e Organics
Client ID:	LCSS	Batch	ID: 3	6390	F	RunNo:	48946			
Prep Date:	2/6/2018	Analysis Da	te: 2	2/7/2018	S	SeqNo:	1576208	Units: %Re	C	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	CowLimit	HighLimit	%RPD	RPDLimit
Surr: DNOP		5.0		5.000		101	70	130		

Qualifiers:

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

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Page 6 of 8

WO#: 1802337

Qual

Client:	Williams I	Field Serv	ices								
Project:	Kutz Gov	7									
Sample ID	RB	SampTy	pe: MI	BLK	Tes	tCode: El	PA Method	8015D: Gas	oline Rang	le	
Client ID:	PBS	Batch	ID: G4	18962	F	RunNo: 4	8962				
Prep Date:		Analysis Da	ate: 2/	/7/2018	S	SeqNo: 1	576174	Units: <b>mg/l</b>	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	ND 930	5.0	1000		92.9	15	316			
Sample ID	2.5UG GRO LCS	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015D: Gas	oline Rang	e	
Client ID:	LCSS	Batch	ID: G4	18962	F	RunNo: 4	8962				
Prep Date:		Analysis Da	ate: 2/	7/2018	S	SeqNo: 1	576175	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	27	5.0	25.00	0	107	75.9	131			
Surr: BFB		1100		1000		111	15	316			
Sample ID	1802337-001AMS	SampTy	pe: MS	6	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	Kutz Gov #7 Area-4	- Batch	ID: G4	8962	R	RunNo: 4	8962				
Prep Date:		Analysis Da	ate: 2/	7/2018	S	SeqNo: 1	576176	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	22	4.0	19.89	1.185	103	77.8	128			
Surr: BFB		940		795.5		118	15	316			
Sample ID	1802337-001AMSD	SampTy	pe: MS	SD	Test	tCode: EF	PA Method	8015D: Gase	oline Rang	е	
Client ID:	Kutz Gov #7 Area-4	- Batch	ID: <b>G4</b>	8962	R	unNo: 4	8962				
Prep Date:		Analysis Da	ate: 2/	7/2018	S	eqNo: 1	576177	Units: mg/ł	≺g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	22	4.0	19.89	1.185	104	77.8	128	1.53	20	
Surr BEB		950		795 5		120	15	316	0	0	

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1802337 08-Feb-18

Client:	Williams	Field Ser	vices								
Project:	Kutz Gov	v 7									
Sample ID	RB	Samp	Туре: МІ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Bato	ch ID: B4	8962	F	RunNo: 4	8962				
Prep Date:		Analysis	Date: 2	7/2018		SeqNo: 1	576180	Units: mg/	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total	l	ND	0.10								
Surr: 4-Bror	nofluorobenzene	0.99		1.000		99.4	80	120			
Sample ID	100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Bato	h ID: B4	8962	F	RunNo: 4	8962				
Prep Date:		Analysis I	Date: 2/	7/2018	S	SeqNo: 1	576181	Units: mg/l	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.99	0.025	1.000	0	99.4	77.3	128			
Toluene		0.94	0.050	1.000	0	93.7	79.2	125			
Ethylbenzene		0.95	0.050	1.000	0	95.0	80.7	127			
Xylenes, Total		2.8	0.10	3.000	0	92.8	81.6	129			
Surr: 4-Bron	nofluorobenzene	1.0		1.000		104	80	120			
Sample ID	1802337-002AMS	Samp	Type: MS	6	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	Kutz Gov #7 Botto	om Bato	h ID: <b>B4</b>	8962	F	RunNo: 4	8962				
Prep Date:		Analysis I	Date: 2/	7/2018	5	SeqNo: 1	576182	Units: mg/I	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		4.2	0.10	4.170	0.03974	99.7	80.9	132			
Toluene		4.0	0.21	4.170	0.06464	93.2	79.8	136			
Ethylbenzene		4.2	0.21	4.170	0.06539	98.7	79.4	140			
Xylenes, Total		13	0.42	12.51	0.3207	97.6	78.5	142			
Surr: 4-Bron	nofluorobenzene	4.4		4.170		106	80	120			
Sample ID	1802337-002AMSI	D Samp	Туре: М	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	Kutz Gov #7 Botto	om Batc	h ID: B4	8962	F	RunNo: 4	8962				
Prep Date:		Analysis I	Date: 2/	7/2018	S	SeqNo: 1	576183	Units: mg/l	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		4.1	0.10	4.170	0.03974	98.5	80.9	132	1.24	20	
Toluene		3.9	0.21	4.170	0.06464	91.8	79.8	136	1.53	20	
Ethylbenzene		4.1	0.21	4.170	0.06539	97.0	79.4	140	1.70	20	
Xylenes, Total		12	0.42	12.51	0.3207	96.7	78.5	142	0.848	20	
Surr: 4-Bron	nofluorobenzene	4.5		4.170		107	80	120	0	0	

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank Е
  - Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1802337

08-Feb-18

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Alb. TEL: 505-345-3975 Website: www.ha	Analysis Laborato 4901 Hawkins N uquerque, NM 8710 FAX: 505-345-410 illenvironmental.co	NE 09 San 07	nple Log-In Ch	eck List
Client Name: WILLIAMS FIELD SERVI	Work Order Number	: 1802337		RcptNo: 1	
Received By: Anne Thome Completed By: Anne Thome	2/7/2018 7:00:00 AM 2/7/2018 7:22:36 AM		Anne Han		
Reviewed By:	02/07/18		2		
Chain of Custody					×.
1. Is Chain of Custody complete?		Yes 🗹	No 🗀	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌		
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s	)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) proper	y preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗌	
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
10. Were any sample containers received broke	n?	Yes	No 🗹 🛛	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🖌	No 🗆	for pH: (<2 or >1	2 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🔽	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌		
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date	2 Int Statistics a west composition	CONTRACTOR OF CONTRACTOR		
By Whom:	Via:	eMail Pho	one 🗌 Fax	In Person	
Regarding:					
Client Instructions:	~~~~~~~~~.	utantuana na	900.05.003000000000000000000000000000000	n di Gubunhuhan buhun nu han bahar ku han baha	
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No.   Temp °C   Condition   Se 1 1.0 Good Yes	al Intact Seal No S	eal Date S	igned By		

Client	hain	of-Cu	istody Record	Turn-Around	Time:	5492364				н	AL	LE	N١	/16	20	N	ME	NT	'AL	_
Chern.	WFS	>		□ Standard	🗹 Rush	2-7-13				A	NA	LY	SI	S L	A	30	R/	TC	R	Y
				Project Name	);					W	ww.ł	allen	viron	men	tal.co	om				
Mailing	Address	1755	- AROYO DR	Kint 2 C	Sove#7			490	01 Ha	awkin	s NE	- Al	buqu	erqu	ie, N	M 87	/109			
Bloo	MFic	-IL N	m 87413	Project #:				Te	I. 50	5-345	-397	5	Fax	505-	-345-	-410	7			
Phone	#:509	5-637	2 4475-							ing Sant Pala		Anal	ysis	Req	ues					
email o	r Fax#:	KijuN-1	HONG QWilliens, COM	Project Mana	ger:		=	(July)	(Q)				04)							
QA/QC	Package:			11	11 /		802	as o	W /		0		04,S(	CB's						
□ Stan	dard		Level 4 (Full Validation)	KIJUN	HONG	*	3's (	0	S		CIN C		PO	2 P						
Accredi	tation		A.F.	Sampler: MC	Irgan Kill	'SN	TA	đ		1	(1.1)		N	808						Î
			FI	On Ice	XYes 1	D NO	+	+ Ш	SR0	418	205	s	NO3	es /		OA)				or
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MIB	BTEX + MTB	TPH 8015B ((	TPH (Method	EDB (Method	RCRA 8 Meta	Anions (F,CI,I	8081 Pesticid	8260B (VOA)	8270 (Semi-V	Chlorid			Air Bubbles ()
216/12	1:50	soil	KutzyGov #7	1-4.02	Cont	-10	X	_	X	·					1	~	X		+	
216/18	1:30	GAL	Kutz GOU # 7	1-402	1	-7/12	$\overline{\chi}$		X	+	+	+	+				X		+	+
2/6/18	1:46	501	Kutz Gou #7, 5'10 02 3:9 to 3'	1-402		203	X		×								X	1		
					_															
																			T	
																			+	
												1							-	+
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										+		1						-	+	
							-				-	-	-						+	+
								-	-	-	+	-	-					+	+	+
2/Date: Date:	Time: 1457 Time:	Relinguish	ed by: Fullion ed by:	Received by:	- Walt	Date Time 2/6/18 1437 Date Time	Remarks: 7 Per CW sample ID 13 4 12 Anie # 7 Area 4 -02 Comp													
2/6/18	1834	town	the Weller	Un	~ 1	02/07/18	K	nti	6 (	50V	-	. ,			e	-1	60	12/1	08/10	8
If	necessary,	amples sub	mitted to Hall Environmental may be subc	ontracted to other ad	credited laboratorie	es. This serves as notice of this	ce of this possibility. Any sub-contracted data will be clearly notated on the analytical report.													

State of New Mexico Energy Minerals and Natural Resources

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

#### NMOCD

Form C-141 MAR 2 6 20 Revised August 8, 2011

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

#### Santa Fe, NM 87505 Release Notification and Corrective Action

	OPERATOR	$\boxtimes$	Initial Report	Final Report
Name of Company: Williams Four Corners LLC	Contact: Kijun Hong			
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475			
Facility Name: EPNG A1 Drip	Facility Type: Drip Location			
		_		 

Surface Owner: NM State Lands

Mineral Owner

BLM Project No.

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	32	32N	6W					San Juan

Latitude 36.9378 Longitude -107.4810

#### NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release:	Volume Recovered:
	388 MCF Natural Gas	0 MCF
	5 BBL PW mixture	8 Yards Contaminated Soil
Source of Release: 2" Isolation Valve	Date and Hour of Occurrence:	Date and Hour of Discovery:
	3/6/2018 @ 9:10 AM	3/6/2018 @ 9:10 AM
Was Immediate Notice Given?	If YES, To Whom? Vanessa Field	ls
🗌 Yes 🗌 No 🛛 Not Required		
By Whom?	Date and Hour:	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse. NA
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.*		
Failure of the 2" isolation valve due to freeze. Valve has been replaced		
randre of the 2 isolation varie due to receet varie has been replaced		
Describe Area Affected and Cleanup Action Taken.*		
	U. ( ) 2/15/2010 ( )	the second s
Impacted soil has been removed and disposed. Confirmation samples	were collected on 3/15/2018. Analy:	sis results pending.
I hereby certify that the information given above is true and complete to the	he best of my knowledge and understand	nd that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release no	otifications and perform corrective act	tions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by the	e NMOCD marked as "Final Report" of	loes not relieve the operator of liability
should their operations have failed to adequately investigate and remediate	e contamination that pose a threat to g	round water, surface water, human health
federal state or local laws and/or regulations	bes not relieve the operator of respons	ibinity for compliance with any other
	OIL CONSERV	ATION DIVISION
	<u>OIL CONSERV</u>	ATION DIVISION
KT HO	Approved by Environmental Specialis	t:
Signature:	approved by Environmental Specials	
Printed Name: Kijun Hong		an m
Title: Environmental Specialist	Approval Date: 33618	Expiration Date:
F-mail Address: kijun hong a williams com	Conditions of Approval:	N
E-man Address, Rijun, nong @wimanis.com	conditions of Approval.	Attached
Date: 3/20/2018 Phone: (505) 632-4475		
Attach Additional Sheets If Necessary	POADI TUIA	< 7359
	WAL 10001	00001

#### Operator/Responsible Party,

The OCD has received the form C-141 you provided on <u>322618</u> regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number \_\_\_\_\_\_ has been assigned. Please refer to this case number in all future correspondence.

NVF 1808952359

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District III office in 30 days\_ on or before 42266. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

Form C-141 Revised August 8, 2011

**Oil Conservation Division** 1220 South St. Francis Dr. I D 

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

				58	anta F	e, NM 8/5	05				
			Rele	ease Notific	catio	n and Co	orrective A	ction			
						<b>OPERA</b>	FOR	🗌 Initi	al Report 🛛 🖂	Final Report	
Name of Co	mpany: N	/illiams Fou	r Corne	rs LLC		Contact: Ki	jun Hong				
Address: 17	55 Arroyo	Dr., Farmi	ington, N	M 87413		Telephone N	No.: (505) 632-4	475			
Facility Nar	ne: EPNO	GA1 Drip				Facility Typ	e: Drip Locatio	on			
Surface Ow	ner: NM S	tate Lands		Minera	l Own	er		BLM P	roject No.		
				LOCA	ATIO	N OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	Nort	h/South Line	Feet from the	East/West Line	County		
G	32	32N	6W						San Juan		
Type of Releases	ase: Natura lease: 2" Iso	ll Gas olation Valve		NAT	URE	C OF RELI Volume of 388 MCF 5 BBL PW Date and H	EASE Release: Natural Gas / mixture lour of Occurrenc	Volume I 0 MCF 8 Yards ee: Date and	Recovered: Contaminated So Hour of Discovery	<mark>11</mark> /:	
Was Immedia	ate Notice C	Given?	Yes 🗌	No 🛛 Not Re	equired	3/6/2018 @ 9:10 AM         3/6/2018 @ 9:10 AM           If YES, To Whom?         3/6/2018 @ 9:10 AM					
By Whom?						Date and H	lour:				
Was a Watero	course Reac	hed?	Yes 🛛	No		If YES, Vo	olume Impacting t	he Watercourse.	NA		
If a Watercou	irse was Imj	pacted, Descri	ibe Fully.*	* NA					MOCO		
Describe Cau Failure of th	e 2" isolatio	em and Remed o <mark>n valve due</mark>	dial Action to freeze.	n Taken.* Valve has been 1	replace	ed.		A	PR 06 2018	1_	
Describe Area	a Affected a	and Cleanup A	Action Tak	ken.*				01			

Impacted soil has been removed and disposed. Confirmation samples were collected on 3/15/2018. All sample results came back under standards. Please see the attached lab analysis report and Excavation and Sampling Form for further details.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Printed Name: Kijun Hong	Approved by Environmental Specialist:	DIVISION
Title: Environmental Specialist	Approval Date: 4 10 2019 Expiration I	Date:
E-mail Address: kijun.hong@williams.com Date: 4/3/2018 Phone: (505) 632-4475	Conditions of Approval:	Attached
* Attach Additional Sheets If Necessary	N 1. N	

NVF 1808952359

#### **Remediation Excavation and Sampling Form**

Site Name EPNG AL Value Leak **Excavation Dimensions (feet)** 268' Length arca 18 Hockest Width 0-4" Depth

# **Excavation Diagram and Sample Locations**

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



# Sample Information

OCD Witness Sampling Yes or No Agency(s) Representative(s) Corel Shith gave me Permission

		Туре	Location	
Sample ID	Sample Date	(Composite, Grab)	(Floor, Sidewall)	Comments
E ARea 1	3/15/18	Comp.	Floor	
AREG2	3/15/18	Comp.	F1000	
AReg 3	3/15/18	COMP.	Floor	
AReg 4	3/15/18	comp	Floor	
AReg 5	3/15/18	COMP	Floor	
AREGE	3/15/18	comp	F1001	
	Ŵ	e 1790/ed 1049	rd TO IEI	-


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

March 28, 2018

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

RE: EPNG A-1

OrderNo.: 1803962

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 6 sample(s) on 3/16/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

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4

 CLIENT:
 Williams Field Services
 Client Sample ID: EPNG-A1 Spill Area 1

 Project:
 EPNG A-1
 Collection Date: 3/15/2018 9:00:00 AM

 Lab ID:
 1803962-001
 Matrix: SOIL
 Received Date: 3/16/2018 8:00:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF
 Date Analyzed
 Batch

EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	3/27/2018 11:40:33 PM	37270
EPA METHOD 8015M/D: DIESEL RANGE O	s			Analyst:	том	
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/20/2018 6:31:11 PM	37106
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/20/2018 6:31:11 PM	37106
Surr: DNOP	95.0	70-130	%Rec	1	3/20/2018 6:31:11 PM	37106
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/19/2018 8:05:22 PM	37078
Surr: BFB	88.5	15-316	%Rec	1	3/19/2018 8:05:22 PM	37078
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.023	mg/Kg	1	3/19/2018 8:05:22 PM	37078
Toluene	ND	0.047	mg/Kg	1	3/19/2018 8:05:22 PM	37078
Ethylbenzene	ND	0.047	mg/Kg	1	3/19/2018 8:05:22 PM	37078
Xylenes, Total	ND	0.093	mg/Kg	1	3/19/2018 8:05:22 PM	37078
Surr: 4-Bromofluorobenzene	85.1	80-120	%Rec	1	3/19/2018 8:05:22 PM	37078

Qualifiers:	*	Value exceeds Maximum Contaminant Level.		Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	<ul><li>H Holding times for preparation or analysis exceeded</li><li>ND Not Detected at the Reporting Limit</li><li>PQL Practical Quanitative Limit</li></ul>		J	Analyte detected below quantitation limits Page 1 of 10
			Р	Sample pH Not In Range
			RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

### Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: EPNG-A1 Spill Area 2

 Project:
 EPNG A-1
 Collection Date: 3/15/2018 9:10:00 AM

 Lab ID:
 1803962-002
 Matrix: SOIL
 Received Date: 3/16/2018 8:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	3/28/2018 12:17:48 AM	37270
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	6			Analyst	TOM
Diesel Range Organics (DRO)	9.5	9.1	mg/Kg	1	3/20/2018 6:53:17 PM	37106
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/20/2018 6:53:17 PM	37106
Surr: DNOP	98.9	70-130	%Rec	1	3/20/2018 6:53:17 PM	37106
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/19/2018 8:28:40 PM	37078
Surr: BFB	89.4	15-316	%Rec	1	3/19/2018 8:28:40 PM	37078
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/19/2018 8:28:40 PM	37078
Toluene	ND	0.049	mg/Kg	1	3/19/2018 8:28:40 PM	37078
Ethylbenzene	ND	0.049	mg/Kg	1	3/19/2018 8:28:40 PM	37078
Xylenes, Total	ND	0.098	mg/Kg	1	3/19/2018 8:28:40 PM	37078
Surr: 4-Bromofluorobenzene	85.7	80-120	%Rec	1	3/19/2018 8:28:40 PM	37078

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	H Holding times for preparation or analysis exceeded		Analyte detected below quantitation limits Page 2 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

### Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: EPNG-A1 Spill Area 3

 Project: EPNG A-1
 Collection Date: 3/15/2018 9:20:00 AM

 Lab ID: 1803962-003
 Matrix: SOIL
 Received Date: 3/16/2018 8:00:00 AM

 Analyses
 Result
 POL Qual Units
 DE Date Analyzed

Analyses	Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	3/28/2018 12:30:13 AM	37270
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst:	том
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/20/2018 7:15:09 PM	37106
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/20/2018 7:15:09 PM	37106
Surr: DNOP	99.1	70-130	%Rec	1	3/20/2018 7:15:09 PM	37106
EPA METHOD 8015D: GASOLINE RANGE	Ξ				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/19/2018 8:51:54 PM	37078
Surr: BFB	90.8	15-316	%Rec	1	3/19/2018 8:51:54 PM	37078
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	3/19/2018 8:51:54 PM	37078
Toluene	ND	0.047	mg/Kg	1	3/19/2018 8:51:54 PM	37078
Ethylbenzene	ND	0.047	mg/Kg	1	3/19/2018 8:51:54 PM	37078
Xylenes, Total	ND	0.095	mg/Kg	1	3/19/2018 8:51:54 PM	37078
Surr: 4-Bromofluorobenzene	87.5	80-120	%Rec	1	3/19/2018 8:51:54 PM	37078

and the second se				
Qualifiers:	*	Value exceeds Maximum Contaminant Level.		Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix		E	Value above quantitation range
	H Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits Page 3 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL Practical Quanitative Limit		RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

### Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: EPNG-A1 Spill Area 4

 Project:
 EPNG A-1
 Collection Date: 3/15/2018 9:30:00 AM

 Lab ID:
 1803962-004
 Matrix: SOIL
 Received Date: 3/16/2018 8:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	ND	30	mg/Kg	20	3/28/2018 12:42:38 AM	37270
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst:	том
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/20/2018 7:37:15 PM	37106
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/20/2018 7:37:15 PM	37106
Surr: DNOP	91.5	70-130	%Rec	1	3/20/2018 7:37:15 PM	37106
EPA METHOD 8015D: GASOLINE RANGE	Ξ				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	3/19/2018 9:15:09 PM	37078
Surr: BFB	91.6	15-316	%Rec	1	3/19/2018 9:15:09 PM	37078
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.023	mg/Kg	1	3/19/2018 9:15:09 PM	37078
Toluene	ND	0.046	mg/Kg	1	3/19/2018 9:15:09 PM	37078
Ethylbenzene	ND	0.046	mg/Kg	1	3/19/2018 9:15:09 PM	37078
Xylenes, Total	ND	0.093	mg/Kg	1	3/19/2018 9:15:09 PM	37078
Surr: 4-Bromofluorobenzene	87.0	80-120	%Rec	1	3/19/2018 9:15:09 PM	37078

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	H Holding times for preparation or analysis exceeded		Analyte detected below quantitation limits Page 4 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	QL Practical Quanitative Limit		Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services

Project: EPNG A-1

.

Client Sample ID: EPNG-A1 Spill Area 5 Collection Date: 3/15/2018 9:40:00 AM Received Date: 3/16/2018 8:00:00 AM

Lab ID: 1803962-005	Matrix:	SOIL	Received 1	Date: 3/1	6/2018 8:00:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	3/28/2018 12:55:02 AM	37270
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	;			Analyst	том
Diesel Range Organics (DRO)	37	9.4	mg/Kg	1	3/21/2018 7:56:40 PM	37106
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/21/2018 7:56:40 PM	37106
Surr: DNOP	104	70-130	%Rec	1	3/21/2018 7:56:40 PM	37106
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/19/2018 9:38:21 PM	37078
Surr: BFB	93.0	15-316	%Rec	1	3/19/2018 9:38:21 PM	37078
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/19/2018 9:38:21 PM	37078
Toluene	ND	0.049	mg/Kg	1	3/19/2018 9:38:21 PM	37078
Ethylbenzene	ND	0.049	mg/Kg	1	3/19/2018 9:38:21 PM	37078
Xylenes, Total	ND	0.097	mg/Kg	1	3/19/2018 9:38:21 PM	37078
Surr: 4-Bromofluorobenzene	86.5	80-120	%Rec	1	3/19/2018 9:38:21 PM	37078

Qualifiers:	*	Value exceeds Maximum Contaminant Level.		Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	<ul><li>H Holding times for preparation or analysis exceeded</li><li>ND Not Detected at the Reporting Limit</li><li>PQL Practical Quanitative Limit</li></ul>		J	Analyte detected below quantitation limits Page 5 of 10
			Р	Sample pH Not In Range
			RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services

1803962-006

Project: EPNG A-1

Lab ID:

Client Sample ID: EPNG-A1 Spill Area 6Collection Date: 3/15/2018 9:50:00 AMMatrix: SOILReceived Date: 3/16/2018 8:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	3/28/2018 1:07:27 AM	37270
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	том
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/20/2018 8:21:07 PM	37106
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/20/2018 8:21:07 PM	37106
Surr: DNOP	104	70-130	%Rec	1	3/20/2018 8:21:07 PM	37106
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/19/2018 11:11:05 PM	37078
Surr: BFB	88.9	15-316	%Rec	1	3/19/2018 11:11:05 PM	37078
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	3/19/2018 11:11:05 PM	37078
Toluene	ND	0.048	mg/Kg	1	3/19/2018 11:11:05 PM	37078
Ethylbenzene	ND	0.048	mg/Kg	1	3/19/2018 11:11:05 PM	37078
Xylenes, Total	ND	0.095	mg/Kg	1	3/19/2018 11:11:05 PM	37078
Surr: 4-Bromofluorobenzene	85.2	80-120	%Rec	1	3/19/2018 11:11:05 PM	37078

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 10
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

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Client: Project:	Willi EPN	ams Field Service G A-1	S						
Sample ID	MB-37270	SampType	mblk	Tes	tCode: EPA Meth	od 300.0: Anion	IS		
Client ID:	PBS	Batch ID	37270	F	RunNo: 50104				
Prep Date:	3/27/2018	Analysis Date	3/27/2018	S	eqNo: 1623784	Units: mg/k	٢g		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLin	it HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID	LCS-37270	SampType	: Ics	Tes	tCode: EPA Meth	od 300.0: Anion	IS		
Client ID:	LCSS	Batch ID:	37270	R	RunNo: 50104				
Prep Date:	3/27/2018	Analysis Date:	3/27/2018	S	eqNo: 1623785	Units: mg/k	٢g		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLin	it HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	93.6 9	0 110			

Qualifiers:

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

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WO#: 1803962

28-Mar-18

WO#: 1803962

28-Mar-18

Client: Willia	ms Field Services			
Project: EPNG	6 A-1			
Sample ID LCS-37106	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range	e Organics
Client ID: LCSS	Batch ID: 37106	RunNo: 49917		
Prep Date: 3/19/2018	Analysis Date: 3/20/2018	SeqNo: 1616595	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	45 10 50.00	0 89.1 70	130	
Surr: DNOP	4.3 5.000	86.5 70	130	
Sample ID MB-37106	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range	e Organics
Client ID: PBS	Batch ID: 37106	RunNo: 49917		
Prep Date: 3/19/2018	Analysis Date: 3/20/2018	SeqNo: 1616596	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO)	ND 50			
Surr: DNOP	9.6 10.00	95.6 70	130	
Sample ID LCS-37105	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range	e Organics
Client ID: LCSS	Batch ID: 37105	RunNo: 49917		
Prep Date: 3/19/2018	Analysis Date: 3/20/2018	SeqNo: 1616928	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	4.3 5.000	87.0 70	130	
Sample ID MB-37105	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range	e Organics
Client ID: PBS	Batch ID: 37105	RunNo: 49917		
Prep Date: 3/19/2018	Analysis Date: 3/20/2018	SeqNo: 1616929	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: DNOP	10 10.00	102 70	130	

Qualifiers:

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

Page 8 of 10

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Client: Wi Project: EP	liams Field Service NG A-1	es								
Sample ID MB-37078	SampType	E: MBLK	<	Test	Code: El	PA Method	8015D: Gaso	line Range	e	
Client ID: PBS	Batch ID	37078	3	R	unNo: 4	9882				
Prep Date: 3/16/2018	Analysis Date	: 3/19/	2018	S	eqNo: 1	615276	Units: mg/K	g		
Analyte	Result F	PQL SI	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR Surr: BFB	0) ND 1000	5.0	1000		102	15	316			
Sample ID LCS-37078	SampType	E: LCS		Test	Code: El	PA Method	8015D: Gaso	line Range	9	
Client ID: LCSS	Batch ID	37078	3	R	unNo: 4	9882				
Prep Date: 3/16/2018	Analysis Date	3/19/	2018	S	eqNo: 1	615277	Units: mg/K	g		
Analyte	Result F	PQL SI	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	0) 27	5.0	25.00	0	107	75.9	131			
Surr: BFB	1200		1000		119	15	316			

Qualifiers:

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

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Williams Field Services

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**Client:** 

Project: EPNG	A-1									
Sample ID MB-37078	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 37078		R	unNo: 49	9882					
Prep Date: 3/16/2018	Analysis Date: 3/19/2	018	S	eqNo: 16	615308	Units: mg/K	g			
Analyte	Result PQL SF	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND 0.025									
Toluene	ND 0.050									
Ethylbenzene	ND 0.050									
Xylenes, Total	ND 0.10									
Surr: 4-Bromofluorobenzene	0.96	1.000		96.3	80	120				
Sample ID LCS-37078	SampType: LCS		Test	Code: EF	PA Method	8021B: Volat	iles			
Client ID: LCSS	Batch ID: 37078		R	unNo: 49	9882					
Prep Date: 3/16/2018	Analysis Date: 3/19/2	018	S	eqNo: 16	615309	Units: mg/K	g			
Analyte	Result PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.96 0.025	1.000	0	95.8	77.3	128				
Toluene	0.96 0.050	1.000	0	95.5	79.2	125				
Ethylbenzene	0.95 0.050	1.000	0	94.7	80.7	127				
Xylenes, Total	2.9 0.10	3.000	0	96.5	81.6	129				

102

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120

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1803962

28-Mar-18

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environment Aı TEL: 505-345-39 Website: www.	al Analysis L 4901 Ha Ibuquerque, 1 75 FAX: 505 hallenvironm	aboratory awkins NE NM 87109 -345-4107 aental.com	Sample Log-In Check List					
Client Name: WILLIAMS FIELD SERVI	Work Order Number	er: 1803962	2		RcptNo: 1				
Received By: Erin Melendrez	3/16/2018 8:00:00 A 3/16/2018 11:39:00 /	M	Ú.	NA					
Reviewed By: DD5 LADIED BU: MW 3/14/1	3/16/18								
Chain of Custody									
1. Is Chain of Custody complete?		Yes 🔽	٢	lo 🗆	Not Present				
2. How was the sample delivered?		Courier							
Log In 3. Was an attempt made to cool the samples	?	Yes 🗹	٨	lo 🗌	NA 🗌				
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes 🔽	٨	lo 🗌	NA 🗀				
5. Sample(s) in proper container(s)?		Yes 🔽	Ν	lo 🗌					
6. Sufficient sample volume for indicated test(	s)?	Yes 🔽	N	•					
7. Are samples (except VOA and ONG) prope	rly preserved?	Yes 🗹	N	•					
8. Was preservative added to bottles?		Yes 🗌	N	• 🗹	NA 🗌				
9. VOA vials have zero headspace?		Yes 🗌	N	•	No VOA Viats 🗹				
10. Were any sample containers received brok	en?	Yes 🗌	N	10 🗹	# of preserved				
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	N	•	bottles checked for pH: (<2 or >12 unless noted)				
12. Are matrices correctly identified on Chain of	f Custody?	Yes 🖌	N	•	Adjusted?				
13. Is it clear what analyses were requested?		Yes 🗹	N	o 🗌					
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	N	•	Checked by:				
Special Handling (if applicable)									
15. Was client notified of all discrepancies with	this order?	Yes	N	lo 🗌	NA 🗹				
Person Notified: By Whom: Regarding: Client Instructions:	Date: Via:	🗌 eMail	Phone	🗌 Fax	In Person				
16. Additional remarks:			· · ·						
17. <u>Cooler Information</u> Cooler No Temp °C Condition S 1 1.2 Good Ye	Seal Intact   Seal No	Seal Date	Signe	d By					

-

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C	hain	-of-Cu	istody Record	Turn-Around	Time:								_	_							
Client:	WFS	,	The second s	Standard	🗆 Rush	1		100	_	ŀ	14		E	N	/IF	20	NI	ME	NT	AL	
-				Project Name	9:				-	1	A IN	AL	. Y 3	513	5 L	A	30	R	IC	K	Y
Mailing	Address		- ADDINUA DD	E DUK	1-1		www.nailenvironmental.com														
210	10. C	11.	5-7KBPT4VK	Project #:	A-1		4901 Hawkins NE - Albuquerque, NM 87109														
Block	H. SOL	5-637	n gigi-				Tel. 505-345-3975 Fax 505-345-4107								The second						
email o	r Fav#	Kind	HONG Quilling Com	Project Manager																	
OA/OC	Package	1.10100	In Contrais Com	Froject Manager.			(21)	onl	MRC					SO	3's						
□ Star	dard		Level 4 (Full Validation)	KILUN	HONG		3 (80	Gas	õ			SMI		04	PCE						
Accred	itation			Sampler: Mo	ragen Killi	or and	AHB'S	H	DR	-	-	0 S		03,1	082						
D NEL	NELAP     Other			On Ice:	AYes	🗆 No	IF.	1 +	RO	18.	8	827		03.N	s / 8		(¥)				Or N
	(Type)	1		Sample Tem	perature: 1,9	-0.7(GF)=1.2	빌	BE	(G	od 4	od 5	0 or	atals	N.	sides	8	01-	.)			Z
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MI	BTEX + MT	TPH 8015B	TPH (Metho	EDB (Methe	PAH's (831	RCRA 8 Me	Anions (F.C	8081 Pestic	8260B (VO	8270 (Semi	chlands			Air Bubbles
3/15/18	9:00	Soil	EPNG-AISPILL AREA	1-402	Cipi	-001	X		X									$\times$			-
3/15/18	9:10	soil	EPNG AT SPILL ARSE 2	1-402	1	-002	X		Х									X			1
3/15/18	9'20	Soil	EPNG A-1 SPill AREG B3	1-402		-003	X		X									X			
3/5/18	9:30	Soil	EPNG A-1 SPILL ARCG H	1-402		-04	X		X									X			
2/15/18	9:40	3011	FANGA-15Pill	1-402		-005	X		X									X			
3/15/18	9:50	50; 1	E PNG 1-15P.11 NRCG 6	1-402	4 .	-006	X		X									Х			
Date: 3/15-/18 Date: 3/15-/18	Time: Time: ISU	Relinquish Relinguish	ed by: Excercion ed by: A + 1 A + 1	Received by: Must Received by:	Walt-	Date Time 3/15/18/16/30 Date Time 3/16/18 2/11/2/19	Ren	narks	3:					I							

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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.

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action												
						<b>OPERA</b>	ГOR		Initia	al Report	$\boxtimes$	Final Report
Name of Co	mpany: N	illiams Fou	r Corne	rs LLC		Contact: Ki	jun Hong					
Address: 17	55 Arroyo	Dr., Farmi	ington, N	M 87413		Telephone N	No.: (505) 632-4	475				
Facility Nar	ne: La Co	osa Compre	ssor Stat	ion		Facility Type: Compressor Station						
Surface Ow	ner: BLM			Minera	Owne	er			BLM P	roject No.		
				LOCA	TIO	N OF REI	LEASE					
Unit Letter	Section 34	Township 29N	Range 11W	Feet from the	North	n/South Line	Feet from the	East/We	est Line	County San Juan		
Latitude <u>36.687713</u> Longitude <u>-107.979276</u>												
				NAT	URE	OF REL	EASE					
Type of Relea	ase: Natura	ll Gas				Volume of 466 MMC No liquids	Release: F Natural Gas	(	Volume R D MCF	Recovered:		
Source of Rel	lease: Statio	on ESD				Date and H 4/10/2018	Iour of Occurrenc a 4:00 AM	e: I 4	Date and 1 4/10/2018	Hour of Disc <b>@ 4:00 AM</b>	overy:	
Was Immedia	ate Notice C	iven?	Yes	No 🛛 Not Re	quired	If YES, To	Whom? NA					
By Whom?	ŇĂ				-	Date and Hour: NA						
Was a Water	course Reac	hed?	Yes 🛛	No		If YES, Volume Impacting the Watercourse. NA						
If a Watercou	rse was Im	pacted, Descri	be Fully.*	<sup>s</sup> NA								
Describe Cau No soil clean	se of Proble up require	em and Remed ed.	dial Action	n Taken.* <mark>Failed</mark>	micro-	switch in the	ESD panel. The	re was no	liquids a	issociated w	ith this	release.
Describe Area There was no	a Affected a	and Cleanup A	ction Tak	en.*				A	PR 26	2018		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.												
Signature:						Approved by	OIL CONS	SERVA	TION	DIVISIO	N	
Printed Name: Kijun Hong						auti						
Title: Environmental Specialist						Approval Date: Approval Date:						

\* Attach Additional Sheets If Necessary

Date: 4/23/2018

E-mail Address: kijun.hong@williams.com

Phone: (505) 632-4475

NVF 1811639415

Conditions of Approval:

Attached 🗌

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action									
		<b>OPERATOR</b>	Initial Report	Final Report					
Name of Company: Williams Four Corner	rs LLC	Contact: Kijun Hong							
Address: 1755 Arroyo Dr., Farmington, N	M 87413	Telephone No.: (505) 632-44	475						
Facility Name: Cabresto Compressor Sta	tion	Facility Type: Compressor Station							
Surface Owner: US Forest Service	Mineral	Owner	BLM Project No.						
	LOCA	TION OF RELEASE							

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Α	19	30N	4W					San Juan

Latitude 36.802416 Longitude -107.290237

NATURI	E OF RELEASE			
Type of Release: Natural Gas	Volume of Release: V 55.7 MCF Natural Gas 0 No liquids	/olume Recovered: MCF		
Source of Release: Starter gas PSV on the compressor engine	Date and Hour of Occurrence: 4/4/2018 @ 1:00 PM	Date and Hour of Discovery: /4/2018 @ 1:00 PM		
	Final gas loss determined on 4/12/2018	NMOCD		
Was Immediate Notice Given?	If YES, To Whom? NA	APR 2 3 2018		
By Whom? NA	Date and Hour: NA	DISTRICT III		
Was a Watercourse Reached?	If YES, Volume Impacting the Waterco	ourse. NA		
If a Watercourse was Impacted, Describe Fully.* NA				
Describe Cause of Problem and Remedial Action Taken.* Unit went do the pressure built up on the starter gas system, the PSV lifted.	wn on high discharge pressure due to do	ownstream station malfunction. When		
Describe Area Affected and Cleanup Action Taken.* There was no soil impacts from this release.				
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 remedia or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	the best of my knowledge and understand notifications and perform corrective action he NMOCD marked as "Final Report" does ate contamination that pose a threat to grou does not relieve the operator of responsibil	that pursuant to NMOCD rules and as for releases which may endanger s not relieve the operator of liability nd water, surface water, human health lity for compliance with any other		
Signature:	OIL CONSERVA Approved by Environmental Specialist:	TION DIVISION		
Title: Environmental Specialist	Approval Date: 425116 Ext	piration Date:		
E-mail Address: kijun.hong@williams.com	Conditions of Approval:	Attached		
Date: 4/18/2018 Phone: (505) 632-4475	4475 -			

\* Attach Additional Sheets If Necessary

# NVF1811552050

NMOCD

MAY 0 7 2018

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources

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

Form C-141

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

	OPERATOR	Initial Report	$\boxtimes$	Final Report
Name of Company: Williams Four Corners LLC	Contact: Kijun Hong			
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475			
Facility Name: Day M#4	Facility Type: Drip Location			

Surface Owner: BLM	Mineral Owner	BLM Project No. NMNM 035781

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	30	27N	10W					San Juan

Latitude 36.54075 Longitude -107.94385

#### NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release:	Volume Recovered:
	0.0468 MCF Natural Gas	0 MCF
Source of Release: Riser coming up from the drip	Date and Hour of Occurrence:	Date and Hour of Discovery:
	3/28/2018 @ 1:32 PM	3/28/2018 @ 1:32 PM
Was Immediate Notice Given?	If YES, To Whom? Vanessa Field	s and Cory Smith
Yes 🗌 No 🗌 Not Required		
By Whom? Kijun Hong	Date and Hour: 3/28/2018 @ 3:02	PM
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse. NA
🗌 Yes 🖾 No		
If a Watercourse was Impacted, Describe Fully.* Yes, gas release occur	red in a wash.	
Desile Construction d Dess d'al Asian Tales * Diale la la la		The second s
Describe Cause of Problem and Remedial Action Taken." Pinhole leak of	n the riser was cause by external col	rrosion of bare pipe. Well was shut in
and equipment has been removed.		
Describe Area Affected and Cleanup Action Taken.*		
During repair, there was no evidence of soil contamination. Confirma	ation samples were collected on 4/2/2	2018. Sample results came back all Non-
Detect. Please see attachment for details.		
regulations all operators are required to report and/or file certain release p	atifications and perform corrective activity	tions for releases which may endenger
regulations an operators are required to report and/of the certain release he public health or the environment. The acceptance of a $C_{-141}$ report by the	NMOCD marked as "Final Report"	does not relieve the operator of liability
should their operations have failed to adequately investigate and remediate	e contamination that pose a threat to g	round water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report do	bes not relieve the operator of respons	sibility for compliance with any other
federal, state, or local laws and/or regulations.	1	
<i>n n</i>	OIL CONSERV	ATION DIVISION
		1
TO TO	Approved by Environmental Specialis	st:
Signature:		my /
		C T X A I
Printed Name: Kijun Hong		- / // ~
Title: Environmental Specialist	Approval Date: 5/9/18	Expiration Date:
	. /	
E-mail Address: kijun.hong@williams.com	Conditions of Approval:	Attached
D to 1/20/2010 DI to 2005 (20 1/55		
Date: 4/30/2018 Phone: (505) 632-4475		
Attach Additional Sheets II Necessary		
-181	02554/95	$\sim$



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, 2018

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

RE: Day AM

OrderNo.: 1804039

Dear Lloyd Bell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/3/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1804039

Date Reported: 4/10/2018

4/9/2018 9:56:28 PM

4/5/2018 2:47:46 AM

4/5/2018 2:47:46 AM

4/4/2018 8:55:40 PM

4/4/2018 8:55:40 PM

4/4/2018 8:55:40 PM

4/5/2018 2:47:46 AM

Batch

37502

37399

37399

37405

37405

37405

37399

37399

37399

37399

37399

37399

37399

Analyst: MRA

Analyst: AG

Analyst: TOM

Analyst: AG

### Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 300.0: ANIONS

Gasoline Range Organics (GRO)

Diesel Range Organics (DRO)

Methyl tert-butyl ether (MTBE)

Surr: 4-Bromofluorobenzene

Motor Oil Range Organics (MRO)

EPA METHOD 8015D MOD: GASOLINE RANGE

EPA METHOD 8260B: VOLATILES SHORT LIST

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Chloride

Surr: BFB

Surr: DNOP

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: Toluene-d8

Analyses		Result	PQL Qua	Units	DF Date Analyzed
Lab ID:	1804039-001	Matrix:	SOIL	Received	Date: 4/3/2018 7:42:00 AM
Project:	Day AM			Collection	Date: 4/2/2018 1:40:00 PM
CLIENT:	Williams Field Services			Client Samp	ole ID: Comp

30

4.8

9.8

49

70-130

0.048

0.024

0.048

0.048

0.095

70-130

70-130

70-130

mg/Kg

mg/Kg

%Rec

mg/Kg

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

%Rec

20

1

1

1

1

1

1

1

1

1

1

1

1

ND

ND

119

ND

ND

94.3

ND

ND

ND

ND

ND

120

83.0

0	110	li i	fia	re	
V	ua		ne	13	

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

WO#: 1804039

10-Apr-18

Client:	Williams	Field Servic	es									
Project:	Day AM											
Sample ID	MB-37502	SampTyp	e: ml	blk	Tes	tCode: E	PA Method	300.0: Anion	S			
Client ID:	PBS	Batch II	): <b>37</b>	502	F	RunNo: 5	0408					
Prep Date:	4/9/2018	Analysis Date	e: 4/	9/2018	S	SeqNo: 1	634794	Units: mg/K	٢g			
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		ND	1.5									
Sample ID	LCS-37502	SampTyp	e: Ics	5	Tes	tCode: E	PA Method	300.0: Anion	S			
Client ID:	LCSS	Batch II	): <b>37</b>	502	F	RunNo: 5	0408					
Prep Date:	4/9/2018	Analysis Date	e: 4/	9/2018	S	SeqNo: 1	634795	Units: mg/K	(g			
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		14	1.5	15.00	0	94.0	90	110				

#### Qualifiers:

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- Page 2 of 5

#### Client: Williams Field Services

Project: Day AM

Sample ID LCS-37405	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch ID: 37405 RunNo: 50301									
Prep Date: 4/3/2018	Analysis D	Date: 4/	4/2018	S	SeqNo: 1	630258	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	70	130			
Surr: DNOP	4.1		5.000		82.1	70	130			
Sample ID MB-37405	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Sample ID MB-37405 Client ID: PBS	SampT Batch	ype: ME	3LK 405	Tes R	tCode: El RunNo: 5	PA Method 0301	8015M/D: Di	esel Rang	e Organics	
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018	SampT Batch Analysis D	Type: ME n ID: 374 Date: 4/	3LK 405 4/2018	Tes R S	tCode: El RunNo: 5 SeqNo: 1	PA Method 0301 630259	8015M/D: Di Units: mg/H	esel Rango (g	e Organics	
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018 Analyte	SampT Batch Analysis D Result	Type: ME n ID: 374 Date: 4/4 PQL	3LK 405 4/2018 SPK value	Tes F S SPK Ref Val	tCode: E RunNo: 5 SeqNo: 1 %REC	PA Method 0301 630259 LowLimit	8015M/D: Di Units: mg/H HighLimit	esel Rango (g %RPD	e Organics RPDLimit	Qual
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018 Analyte Diesel Range Organics (DRO)	SampT Batch Analysis D Result ND	ype: ME n ID: 374 Date: 4/4 PQL 10	3LK 405 4/2018 SPK value	Tes R S SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC	PA Method 0301 630259 LowLimit	8015M/D: Di Units: mg/F HighLimit	esel Rango (g %RPD	e Organics RPDLimit	Qual
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	SampT Batch Analysis D Result ND ND	ype: ME n ID: 374 Date: 4/4 PQL 10 50	3LK 405 4/2018 SPK value	Tes R SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC	PA Method 0301 630259 LowLimit	8015M/D: Di Units: mg/F HighLimit	esel Rang (g %RPD	e Organics	Qual

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- W Sample container temperature is out of limit as specified

WO#: 1804039

10-Apr-18

Page 3 of 5

#### Client: Williams Field Services

Project: Day AM

Sample ID Ics-37399	SampType: LCS4 TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batch ID: 37399	RunNo: 50305					
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630018	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Methyl tert-butyl ether (MTBE)	1.0 0.050 1.000	0 103 80	120				
Benzene	0.92 0.025 1.000	0 92.4 80	120				
Toluene	0.98 0.050 1.000	0 98.3 80	120				
Ethylbenzene	1.1 0.050 1.000	0 105 80	120				
Xylenes, Total	3.2 0.10 3.000	0 106 80	120				
Surr: 4-Bromofluorobenzene	0.47 0.5000	94.9 70	130				
Surr: Toluene-d8	0.43 0.5000	86.0 70	130				
Sample ID mb-37399	SampType: MBLK	TestCode: EPA Method	8260B: Volatiles Short List				
Client ID: PBS	Batch ID: 37399	RunNo: 50305					
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630050	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Methyl tert-butyl ether (MTBE)	ND 0.050						
Benzene	ND 0.025						
Toluene	ND 0.050						
Ethylbenzene	ND 0.050						
Xylenes, Total	ND 0.10						
Surr: 4-Bromofluorobenzene	0.57 0.5000	114 70	130				
Surr: Toluene-d8	0.44 0.5000	87.5 70	130				
Sample ID Ics-37419	SampType: LCS4	TestCode: EPA Method	8260B: Volatiles Short List				
Client ID: BatchQC	Batch ID: 37419	RunNo: 50360					
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631820	Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Surr: 4-Bromofluorobenzene	0.50 0.5000	99.1 70	130				
Surr: Toluene-d8	0.44 0.5000	87.3 70	130				
Sample ID mb-37419	SampType: MBLK	TestCode: EPA Method	8260B: Volatiles Short List				
Client ID: PBS	Batch ID: 37419	RunNo: 50360					
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631821	Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Surr: 4-Bromofluorobenzene	0.64 0.5000	128 70	130				
Surr: Toluene-d8	0.42 0.5000	85.0 70	130				

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- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 4 of 5

WO#: **1804039** 

#### Client: Williams Field Services

Project:

Day AM

Sample ID Ics-37399	SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: LCSS	Batch ID: 37399	RunNo: 50305				
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630013 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 99.4 70 130				
Surr: BFB	510 500.0	103 70 130				
Sample ID mb-37399	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID: PBS	Batch ID: 37399	RunNo: 50305				
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630047 Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual				
Gasoline Range Organics (GRO)	ND 5.0					
Surr: BFB	570 500.0	114 70 130				
Sample ID Ics-37419	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID: LCSS	Batch ID: 37419	RunNo: 50360				
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631732 Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual				
Surr: BFB	520 500.0	105 70 130				
Sample ID mb-37419	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range				
Client ID: PBS	Batch ID: 37419	RunNo: 50360				
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631733 Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual				
Surr: BFB	630 500.0	127 70 130				

#### Qualifiers:

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1804039

WO#:

Page 5 of 5

HALL ENVIRONME ANALYSIS LABORATOR	ENTAL RY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	Analysis Laborato 4901 Hawkins N 1querque, NM 8710 FAX: 505-345-410 Ilenvironmental.co	ry IE 09 <b>Sam</b>	iple Log-In C	heck List
Client Name: WILLI	AMS FIELD SERVI	Work Order Number:	1804039		RcptNo:	1
Received By: Anne Completed By: Isaiał	Thorne	4/3/2018 7:42:00 AM 4/3/2018 8:29:09 AM	,	Ann A- I Cort	-	
Reviewed By: VI Chain of Custody	: ENH_	4 <i>1311</i> 0	Yes M	No 🗍	Not Present	
1. Is chain of Custody c	delluered?		Caurier		NOT FIESEIT L	
2. How was the sample	delivered?		<u>Courier</u>			
<ol> <li>vvas an attempt mage</li> </ol>	e to cool the samples?		tes 💌			
4. Were all samples rece	eived at a temperature o	f >0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗌	
5. Sample(s) in proper c	container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volu	me for indicated test(s)?		Yes 🗹	No 🗌		
7. Are samples (except v	OA and ONG) properly	preserved?	Yes M			
o. was preservative add	ed to bottles?		res 🛄			
9. VOA vials have zero h	eadspace?		Yes	No 🗌	No VOA Vials 🗹	(
10. Were any sample con	tainers received broken	?	Yes	No 🗹	# of preserved bottles checked	
11. Does paperwork match (Note discrepancies or	h bottle labels? n chain of custody)		Yes 🗹	No 🗌	for pH: (<2 or:	12 unless noted)
12. Are matrices correctly	identified on Chain of C	ustody?	Yes 🗹		Aujusteur	
13. Is it clear what analyse	es were requested?		Yes V		Checked by:	1
(If no, notify customer	for authorization.)			/	F	- 40
Special Handling (if	applicable)				ENM 41	5/18
15. Was client notified of	all discrepancies with th	is order?	Yes	No 🗌	NA 🗹	
Person Notified	: ]	Date:				
By Whom:		Via:	eMail Pho	ne 🗌 Fax	In Person	
Regarding:		a a - A Alt Alt alt alt alt alt alt alt and a second at the second second second second second second second s		Later Street Street and Street Street		
Client Instructio	ns:			<u></u>	<u> </u>	
16. Additional remarks:						
17. <u>Cooler Information</u> Cooler No Temp 1 1.0	p °C Condition Sea Good Yes	al Intact   Seal No   S	eal Date S	igned By		

......

......

C	hain	-of-Cu	stody Record	Turn-Around	Time:				E.F	_											
Client:	W	FS		# Standard	□ Rush					F	A		E	NV	IF	20	NI	ME	NT	AL	
				Project Name	9:					-		AL	. 13	213	> L	A	30	KA	iic	ж	Y
Mailing	Address	):		DAY	AM			40/	11 11	lauki	www	v.nai	AIL	ironi	men		om	100			
175	5	IRR	ava pr	Project #:				490		18WK	15 20	NE -	AIC	Tax	erqu 505	e, N	410	709			
Phone	#:		010 011					16	a. 50	13-3-	-5-5:	A	nal	vsis	Reg	ues	-410 t	í		in the second	
email o	r Fax#:	4107	D BELL	Project Mana	ger:		-	ly)	0					(7)							
QA/QC I	Package			1			021	s on	MR			()		SC,	B's						
🗆 Stan	dard		□ Level 4 (Fuil Validation)	4107	DBL	526	's (8	(Ga	20			SIM		PO	2 PC						
Accredi	itation			Sampler: 7	Teck 14,	iggins	MB	Hd	ID /	÷.	÷.	510		NO2	8082			4			2
	AP	Othe	er	On Ice:	X Yes	ENO	+	+	SRO	418	504	or 82	50	23	/ Se		(NO)	0			or
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MTBB	BTEX + MTBE	TPH 8015B (0	TPH (Method	EDB (Method	PAH's (8310 o	RCRA 8 Meta	Anions (F,CI,N	8081 Pesticide	8260B (VOA)	8270 (Semi-V	CHLORI			Air Bubbles (Y
12-2-18	1341	Soil	BOTTOM COMP		COOL	-001	X		X			_						X			
12-2-16	17.0	Sail	IN AL I		C.006	The Ik	Y		X									V	+		
4-2.0		0011	VIALL			11 10	N		-			_			-			~	-	-	
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Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Rer	narks	s:						L		I				
4-2-18	1608	na	ch H iggins	And	- Walt	+/2/18 1605															
Date:	Time:	Relinquish	ecby: 101+	Received by:	m	Date Time 04/03/18															
	faarossanu	camples sub	mitted to Hall Environmental may be subo	contracted to other a	correct ted laboratoria	This serves as notice of this	nossi	hility	Any si	h-con	racie	e rete	will be	e clear	ty not	o he'e	n the a	nalufic	al renor	1	

If nacessary, 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

### NMOCD

## MAY 0 7 2018

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141

Revised August 8, 2011

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

	OPERATOR	Initial Report	$\boxtimes$	Final Report
Name of Company: Williams Four Corners LLC	Contact: Kijun Hong			
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475			
Facility Name: Trunk C	Facility Type: Pipeline			

Surface Owner: Private	Mineral Owner	BLM Project No.

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	9	31N	13W					San Juan

Latitude 36.91600 Longitude -108.20660

#### NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release:	Volume Recovered:
	437.5 MCF Natural Gas	0 MCF
	Unknown amount of liquids	18 cubic yards of impacted soil removed
Source of Release: Damaged pipeline due to line strike	Date and Hour of Occurrence:	Date and Hour of Discovery:
	3/31/2018 @ 6:00 PM	3/31/2018 @ 6:00 PM
Was Immediate Notice Given?	If YES, To Whom? NA	
By Whom? NA	Date and Hour: NA	
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse. NA
If a Watercourse was Impacted, Describe Fully.* NA		
Describe Cause of Problem and Remedial Action Taken.* A farmer was pipeline with a backhoe. Pipeline was isolated, shut in, and repaired.	eleaning out his ditch and replacing	g his water line when he struck our
Describe Area Affected and Cleanup Action Taken.* 18 cubic yards of impacted soil was removed during cleanup. Confirm below limits. Please see attachments for further details.	nation samples were collected on 4/	/2/2018. All sample results came back
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report do federal, state, or local laws and/or regulations.	he best of my knowledge and understa otifications and perform corrective ac e NMOCD marked as "Final Report" e contamination that pose a threat to g oes not relieve the operator of respons	and that pursuant to NMOCD rules and ctions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health sibility for compliance with any other
Signature:	OIL CONSERV Approved by Environmental Specialis	VATION DIVISION st:
Printed Name: Kijun Hong		CAT
Title: Environmental Specialist	Approval Date: 5/9/18	Expiration Date:
E-mail Address: kijun.hong@williams.com	Conditions of Approval:	Attached
Date: 4/30/2018 Phone: (505) 632-4475		

\* Attach Additional Sheets If Necessary #NJF 181023 1591

### Remediation Excavation and Sampling Form

Site Name	TRUNK	C.	live	Strike	C			
Excavation	Dimensions (fe	eet)						
50	Leng	th	2		Width _	12 +0	16''	_ Depth
Excavation	Diagram and S	ample	Location	IS				

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



## Sample Information

## OCD Witness Sampling (Yes or No Agency(s) Representative(s) <u>Vanesa</u> Feilds

Sample ID	Sample Date	Type (Composite, Grab)	Location (Floor, Sidewall)	Comments
East End Somple	4-2-18	composite	Floor	
west-ENC Somple	4-2-18	composite	Floor	



April 10, 2018

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

RE: Trunk C Line strike

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

OrderNo.: 1804040

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/2/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1804040

#### Date Reported: 4/10/2018

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field ServicesClient Sample ID: West EndProject:Trunk C Line strikeCollection Date: 4/2/2018 11:30:00 AMLab ID:1804040-001Matrix: SOILReceived Date: 4/2/2018 7:42:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	ND	30	mg/Kg	20	4/9/2018 9:06:51 PM	37502
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analys	t: AG
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/5/2018 3:10:53 AM	37399
Surr: BFB	117	70-130	%Rec	1	4/5/2018 3:10:53 AM	37399
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	;			Analys	t: TOM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/4/2018 9:17:51 PM	37405
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/4/2018 9:17:51 PM	37405
Surr: DNOP	93.2	70-130	%Rec	1	4/4/2018 9:17:51 PM	37405
EPA METHOD 8260B: VOLATILES SHO	ORT LIST				Analys	AG
Benzene	ND	0.024	mg/Kg	1	4/5/2018 3:10:53 AM	37399
Toluene	ND	0.049	mg/Kg	1	4/5/2018 3:10:53 AM	37399
Ethylbenzene	ND	0.049	mg/Kg	1	4/5/2018 3:10:53 AM	37399
Xylenes, Total	ND	0.097	mg/Kg	1	4/5/2018 3:10:53 AM	37399
Surr: 4-Bromofluorobenzene	118	70-130	%Rec	1	4/5/2018 3:10:53 AM	37399
Surr: Toluene-d8	71.0	70-130	%Rec	1	4/5/2018 3:10:53 AM	37399

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1	l of 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	010
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as speci	ified

Hall Er	vironmental Analys	Date Reported: 4/10/2018						
CLIENT: Project: Lab ID:	Williams Field Services Trunk C Line strike 1804040-002	Client Sample ID: East EndCollection Date: 4/2/2018 10:45:00 AMMatrix: SOILReceived Date: 4/2/2018 7:42:00 AM						
Analyses		Result	PQL	Qual	<b>Units</b>	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS						Analyst	MRA
Chloride		74	30		mg/Kg	20	4/9/2018 9:19:15 PM	37502
EPA MET	HOD 8015D MOD: GASOLIN	E RANGE					Analyst	AG
Gasoline	Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2018 3:34:04 AM	37399
Surr: E	BFB	110	70-130		%Rec	1	4/5/2018 3:34:04 AM	37399
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	том
Diesel Ra	ange Organics (DRO)	ND	9.6		mg/Kg	1	4/4/2018 9:39:51 PM	37405
Motor Oil	Range Organics (MRO)	ND	48		mg/Kg	1	4/4/2018 9:39:51 PM	37405
Surr: D	NOP	94.1	70-130		%Rec	1	4/4/2018 9:39:51 PM	37405
EPA MET	HOD 8260B: VOLATILES SH	ORT LIST					Analyst	AG
Benzene		ND	0.025		mg/Kg	1	4/5/2018 3:34:04 AM	37399
Toluene		0.093	0.050		mg/Kg	1	4/5/2018 3:34:04 AM	37399
Ethylbenz	zene	ND	0.050		mg/Kg	1	4/5/2018 3:34:04 AM	37399
Xylenes,	Total	0.12	0.099		mg/Kg	1	4/5/2018 3:34:04 AM	37399
Surr: 4	-Bromofluorobenzene	111	70-130		%Rec	1	4/5/2018 3:34:04 AM	37399
Surr: T	oluene-d8	82.1	70-130		%Rec	1	4/5/2018 3:34:04 AM	37399

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

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

**Analytical Report** Lab Order 1804040

Client: Williams Field Services

Project: Trunk C Line strike

Sample ID M	MB-37502	SampT	ype: mb	olk	Tes	tCode: El	PA Method	300.0: Anior	IS		
Client ID: P	PBS	Batch	ID: 37	502	F	RunNo: 5	0408				
Prep Date:	4/9/2018	Analysis D	ate: 4/	9/2018	S	SeqNo: 1	634794	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5							—	
Sample ID L	_CS-37502	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	IS		
Sample ID Lu Client ID: Lu	_CS-37502 _CSS	SampT Batch	ype: Ics	502	Tes	tCode: EF	PA Method 0408	300.0: Anior	IS		
Sample ID Lu Client ID: Lu Prep Date: A	_CS-37502 _CSS 4/9/2018	SampT Batch Analysis D	ype: Ics ID: 37 ate: 4/	5 502 9/2018	Tes F S	tCode: EF RunNo: 50 SeqNo: 10	PA Method 0408 634795	300.0: Anion Units: mg/ł	is (g		
Sample ID Lu Client ID: Lu Prep Date: A Analyte	_CS-37502 _CSS 4/9/2018	SampT Batch Analysis D Result	ype: Ics ID: 37 ate: 4/ PQL	502 9/2018 SPK value	Tes F S SPK Ref Val	tCode: EF RunNo: 56 SeqNo: 10 %REC	PA Method 0408 634795 LowLimit	300.0: Anion Units: mg/H HighLimit	is (g %RPD	RPDLimit	Qual

#### Qualifiers:

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

Page 3 of 6

WO#: 1804040

#### Client: Williams Field Services

Project: Trunk C Line strike

Sample ID LCS-37405	SampType: LCS			Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 37405			RunNo: 50301						
Prep Date: 4/3/2018	Analysis D	ate: 4/	4/2018	S	SeqNo: 1	630258	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	70	130			
Surr: DNOP	4.1		5.000		82.1	70	130			
Sample ID MD 27405	CompT			Tee	Cada, E				<b>•</b> • •	
Sample ID MB-37405	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Sample ID MB-37405 Client ID: PBS	SampT Batch	ype: ME	3LK 405	Tes R	tCode: El RunNo: 5	PA Method 0301	8015M/D: Di	esel Range	e Organics	
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018	SampT Batch Analysis D	ype: ME 1D: 374 ate: 4/4	3LK 405 4/2018	Tes F S	tCode: El RunNo: 5 SeqNo: 1	PA Method 0301 630259	8015M/D: Di Units: mg/H	esel Rango (g	e Organics	
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018 Analyte	SampT Batch Analysis D Result	ype: ME 1D: 374 ate: 4/4 PQL	3LK 405 4/2018 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC	PA Method 0301 630259 LowLimit	8015M/D: Di Units: mg/H HighLimit	esel Rango Kg %RPD	e Organics RPDLimit	Qual
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018 Analyte Diesel Range Organics (DRO)	SampT Batch Analysis D Result ND	ype: ME n ID: 374 ate: 4/4 PQL 10	8LK 405 4/2018 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC	PA Method 0301 630259 LowLimit	8015M/D: Di Units: mg/k HighLimit	esel Rango Kg %RPD	e Organics RPDLimit	Qual
Sample ID MB-37405 Client ID: PBS Prep Date: 4/3/2018 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	SampT Batch Analysis D Result ND ND	ype: ME n ID: 374 ate: 4/4 PQL 10 50	8LK 405 4/2018 SPK value	Tes F SPK Ref Val	tCode: El RunNo: 5 GeqNo: 1 %REC	PA Method 0301 630259 LowLimit	8015M/D: Di Units: mg/F HighLimit	esel Rango Kg %RPD	e Organics	Qual

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- Page 4 of 6

WO#: **1804040** 

#### Client: Williams Field Services

Project: Trunk C Line strike

Sample ID Ics-37399	SampType: LCS4	8260B: Volatiles Short List	
Client ID: BatchQC	Batch ID: 37399	RunNo: 50305	
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630018	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Benzene	0.92 0.025 1.000	0 92.4 80	120
Toluene	0.98 0.050 1.000	0 98.3 80	120
Ethylbenzene	1.1 0.050 1.000	0 105 80	120
Xylenes, Total	3.2 0.10 3.000	0 106 80	120
Surr: 4-Bromofluorobenzene	0.47 0.5000	94.9 70	130
Surr: Toluene-d8	0.43 0.5000	86.0 70	130
Sample ID mb-37399	SampType: MBLK	TestCode: EPA Method	8260B: Volatiles Short List
Client ID: PBS	Batch ID: 37399	RunNo: 50305	
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630050	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Benzene	ND 0.025		
Toluene	ND 0.050		
Ethylbenzene	ND 0.050		
Xylenes, Total	ND 0.10		
Surr: 4-Bromofluorobenzene	0.57 0.5000	114 70	130
Surr: Toluene-d8	0.44 0.5000	87.5 70	130
Sample ID Ics-37419	SampType: LCS4	TestCode: EPA Method	8260B: Volatiles Short List
Client ID: BatchQC	Batch ID: 37419	RunNo: 50360	
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631820	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.50 0.5000	99.1 70	130
Surr: Toluene-d8	0.44 0.5000	87.3 70	130
Sample ID mb-37419	SampType: MBLK	TestCode: EPA Method	8260B: Volatiles Short List
Client ID: PBS	Batch ID: 37419	RunNo: 50360	
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631821	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.64 0.5000	128 70	130
Surr: Toluene-d8	0.42 0.5000	85.0 70	130

#### Qualifiers:

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

Page 5 of 6

WO#: **1804040** 

#### Client: Williams Field Services

Project: Trunk C Line strike

Sample ID Ics-37399	SampType: LCS	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 37399	RunNo: 50305	
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630013	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 99.4 70	130
Surr: BFB	510 500.0	103 70	130
Sample ID mb-37399	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 37399	RunNo: 50305	
Prep Date: 4/3/2018	Analysis Date: 4/4/2018	SeqNo: 1630047	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	ND 5.0		
Surr: BFB	570 500.0	114 70	130
Sample ID Ics-37419	SampType: LCS	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 37419	RunNo: 50360	
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631732	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: BFB	520 500.0	105 70	130
Sample ID mb-37419	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 37419	RunNo: 50360	
Prep Date: 4/4/2018	Analysis Date: 4/5/2018	SeqNo: 1631733	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: BEB	630 500.0	127 70	130

#### Qualifiers:

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

WO#: **1804040** 

10-Apr-18

Page 6 of 6

HALL ENVIR ANALY LABOR	ONMENTAL (SIS RATORY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	Analysis Labo 4901 Hawk iquerque, NM FAX: 505-34. Ilenvironment	nalory ins NE 87109 San 5-4107 al.com	Sample Log-In Check List							
Client Name:	WILLIAMS FIELD SERVI	Work Order Number:	1804040		RcptNo:	1						
Received By:	Anne Thorne	4/2/2018 7:42:00 AM		anne An	~							
Reviewed By:	PDS	41/3/18		1 (20)								
Labled Chain of Cus	By: ENM											
1. Is Chain of Cu	ustody complete?		Yes ⊻	No 🗌	Not Present							
2. How was the	sample delivered?		Courier									
Log In 3. Was an attem	npt made to cool the samples?		Yes 🗹	No 🗌	NA 🗌							
4. Were all samp	oles received at a temperature of	of >0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗌							
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗌								
6. Sufficient sam	ple volume for indicated test(s)	?	Yes 🗹	No 🗌								
7. Are samples (	except VOA and ONG) properly	preserved?	Yes 🖌	No 🗌								
8. Was preservat	tive added to bottles?		Yes	No 🗹	NA 🗌							
9. VOA vials have	e zero headspace?		Yes	No 🗌	No VOA Vials 🗹	/						
10. Were any san	nple containers received broker	?	Yes	No 🗹	# of preserved	· · · · · · · · · · · · · · · · · · ·						
11. Does paperwo (Note discrepa	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No 🗌	for pH:	12 unless noted)						
12. Are matrices c	correctly identified on Chain of C	ustody?	Yes 🗹	No 🗌	Adjusted?							
13. Is it clear what	t analyses were requested?		Yes 🗹	No 🗌		1						
14. Were all holdin	ng times able to be met?		Yes 🖌	No 🗌	Checked by:							
(If no, notity cu Special Handl	ing (if applicable)			/	4/3/18 1	ENH						
15. Was client no	tified of all discrepancies with the	is order?	Yes	No 🗌	NA 🗹							
Person	Notified:	Date:										
By Who	m:	Via:	eMail	Phone Fax	In Person							
Regardi	ing:				and a sub- down, M. al. Matter Barlan and a - P							
Client In	nstructions:	LES MARTINES AND	an an an an a sur a share the	AND DESCRIPTION OF A DESCRIPTION	Construction of the second							
16. Additional ren	marks:											
17. <u>Cooler Infor</u> Cooler No 1	mation Temp ℃ Condition Se 1.0 Good Yes	al Intact   Seal No   S	eal Date	Signed By								

- --- --- ---

Chain-of-Custody Record		Turn-Around Time:											/TE	20			817	-			
Client: WFS			Standard  Rush																		
				Project Name:																	
Mailing Address: 1755 400-cm DR			TRUNK I L'NE STRIKE			4001 Hawkins NE AlbuquorquoNM 87100															
Bloom Cill Alm SZUID			Project #			Tel 505-346-3975 Eax 505-345-4107															
Phone	# Chp	-1eld	1475	-			1910	16	a. ou	10=34	-3-35	77.5 A	naly	vsis	Rea	045	-410 t				
email o	r Fax#:	CIUN.	HONG Q willians, com	Project Mana	der:	•		())	6		- AREAR			4)			Contraction of the			10	
QA/QC	Package:			1	0		021)	s on	MR					SO.	B's						
□ Standard □ Level 4 (Full Validation)			KIJUN HONG			s (8	(Ga:	102			SIMS		PO	PC							
Accred	itation	and a second		Sampler: Morgan Killiou			MB	H	in in	=	=	20 5		0N	3082						9
NELAP     Other			On Ice: Yes D No			-	+	RO	118.	504.	r 82	5	03,1	518		(YC	a			or	
	) (Type)	1		Sample Temperatures 0-CF-1.0=1-0			- H	TBE	9	po	pou	10 0	eta	CI'N	cide	(A)	i-VC	S			s (Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + M	3TEX + M	<b>IPH 8015</b>	<b>TPH</b> (Meth	EDB (Meth	AH's (83	RCRA B M	Anions (F,	3031 Pesti	3260B (VC	3270 (Sen	Ch101	-		Air Bubble:
4/2/18	1/30	5011	WestENd	1-402		- 00 1	X		X			-			w.			X			-
4/2/2	1045	50:1	East End	1-402		-000	X		X									×		_	
											_										
																				_	
				_																	
Date:	Time: 11636 Time:	Reinquish	ed by:	Received by:	5/20	Date Time 4/7/15-1630 Date Time 04/03/18	Ren	nark	5:												
12/18/1900 / Mart / Del			1 ( Ph - 0742																		

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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### State of New Mexico Energy Minerals and Natural Resources

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

**Release Notification and Corrective Action** 

Revised August 8, 2011

Form C-141

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

						TOR		🗌 Initial Report 🛛 Final Repo						
Name of Company: Williams Four Corners LLC						jun Hong								
Address: 1755 Arroyo Dr., Farmington, NM 87413					Telephone	Telephone No.: (505) 632-4475								
Facility Name: Florence 44 Pipeline						Facility Type: Pipeline								
Surface Owner: BLM Mineral Owner							B	BLM Project No. NMNM035774						
				LOCATI	ON OF RE	LEASE								
Unit Letter Section Township Range Feet from the North						Feet from the	East/West	t/West Line County						
1	30	30N	81			105 50(300			San Juan					
				Latitude <u>30./82</u>		EASE								
Type of Rele	ase: Natura	l Gas and Pi	neline Lic	INATUR	Volume of	Volume of Release: Volume Recovered:								
rype or rele		Gus und Ti	penne En		107.9 MC	F Natural Gas	0	0 MCF Natural Gas						
				ومروا والمراجع والمراجع	determine	ed on 5/10/2018								
			ni de la	имоср	Final volu	me of impacted s	soil F	Final volume of impacted soil removed 110 yards						
Course of Do	lancer I cal	In admittant		0010	removed	110 yards		lata and	Hour of D:					
Source of Ke	lease: Leak	in pipeline	JL	N 1 4 2018	4/20/2018	a 2:14 PM	e: D	/20/201	8 @ 2:14 P	M				
NV I I'			nic	111 TOLO	LOVEO T	W/1 0 V	F* 11							
was Immedia	ate Notice (	liven?	Yes 🛛	No 🗌 Not Require	ed If YES, IC	o whom? Vaness	sa Fields							
By Whom?	Kijun Hon;	3			Date and H	Date and Hour: Verbal notice was given on 5/21/2018 @ 8:39 AM when it								
Was a Watarasuras Dasahada					Was antici	was anticipated that more than 50 yards of impacted soil will be removed.								
Was a Watercourse Reached?					II TES, V	in rest, volume impacting the watercourse. The								
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	NA										
Describe Cau	se of Probl	em and Reme	dial Action	n Taken.*										
Release caus	ed by failu	re of the pipe	line due t	o external corrosion.	During the re	placement of bad	pipe, impa	icts wer	e encounte	red.				
Describe Are	a Affected	and Cleanup A	Action Tak	en.*	~ ~ · ·									
All impacted documentati	soil has be on for deta	en removed : ils.	and back	illed with clean dirt.	Confirmation	sample results ca	me back be	elow sta	indards. Pl	ease see a	ittached			
I have be a set	C. that the	C			the best of	la se la dese se da	1			OCD 1	1			
regulations al	ly that the i	are required to	o report ar	d/or file certain releas	e notifications a	nd perform correct	inderstand the	for rele	uant to NMO eases which	DCD rules may enda	s and			
public health	or the envi	ronment. The	acceptanc	e of a C-141 report by	the NMOCD m	arked as "Final R	eport" does	not reli	eve the oper	ator of lia	ability			
should their o	operations h	ave failed to a	dequately	investigate and remed	iate contaminat	ion that pose a three	eat to groun	d water	, surface wa	ter, huma	in health			
federal, state.	or local lay	ddition, NMC	lations.	tance of a C-141 repor	t does not reliev	e the operator of i	responsibilit	ty for co	ompliance w	ith any of	ther			
	1	I NO	2			OIL CONSERVATION DIVISION								
	K	n A	)											
Signature:					Approved by	Approved by Environmental Specialist:								
Printed Name: Kijun Hong							C	/	71		1			
T Tinted Tvaine	. Rijun In	ng				1/1.1	10	$- \subset$						
Title: Environmental Specialist						te: 6/18/1	8 Expi	iration I	Date:					
E-mail Address: kijun.hong@williams.com						Conditions of Approval:				Attached				
Date: 6/8/201	8	Phor	e: (505) 6	32-4475						_	_			
Attach Addi	tional Shee	ets If Necess	ary	4 - 100	C12 /									
			4	JNUF 181	5154	159					$\bigcirc$			
### Remediation Excavation and Sampling Form

Site Name FloraNCE 44 **Excavation Dimensions (feet)** Length /7 Width 45 3 Depth **Excavation Diagram and Sample Locations** 

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



Sample Information

OCD Witness Sampling Yes or No Agency(s) Representative(s) <u>Corcy</u> <u>Smiths</u>

Sample ID	Sample Date	Type (Composite, Grab)	Location (Floor, Sidewall)	Comments
North	5-22-18	Composite	Floor	
South	5-22-18	Composite	South	
West	5-22-18	composite	West	
East	5-22-18	Composite	East	
		,		



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

May 29, 2018

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

RE: Florance 44

OrderNo.: 1805C13

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/23/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

#### **Analytical Report** Lab Order 1805C13 Date Reported: 5/29/2018

### Hall Environmental Analysis Laboratory, Inc.

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Lab ID:

**CLIENT:** Williams Field Services Client Sample ID: North Floor Project: Florance 44 Collection Date: 5/22/2018 11:30:00 AM 1805C13-001 Matrix: SOIL Received Date: 5/23/2018 7:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	150	30	mg/Kg	20	5/23/2018 11:13:29 AM	38280
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	AG
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	5/23/2018 10:30:42 AM	A51464
Surr: BFB	118	70-130	%Rec	1	5/23/2018 10:30:42 AM	A51464
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	Irm
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/23/2018 10:10:04 AM	38274
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2018 10:10:04 AM	38274
Surr: DNOP	87.3	70-130	%Rec	1	5/23/2018 10:10:04 AM	38274
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst:	AG
Benzene	ND	0.018	mg/Kg	1	5/23/2018 10:30:42 AM	B51464
Toluene	ND	0.037	mg/Kg	1	5/23/2018 10:30:42 AM	B51464
Ethylbenzene	ND	0.037	mg/Kg	1	5/23/2018 10:30:42 AM	B51464
Xylenes, Total	ND	0.073	mg/Kg	1	5/23/2018 10:30:42 AM	B51464
Surr: 4-Bromofluorobenzene	128	70-130	%Rec	1	5/23/2018 10:30:42 AM	B51464
Surr: Toluene-d8	91.5	70-130	%Rec	1	5/23/2018 10:30:42 AM	B51464

And the second						
Qualifiers:	*	Value exceeds Maximum Contaminant Level.		Analyte detected in the associated Method	Blank	
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range		
	Н	Holding times for preparation or analysis exceeded	J	J Analyte detected below quantitation limits Pa		
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range		
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit		
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of lim	it as specified	

### Analytical Report Lab Order 1805C13

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services

Florance 44

**Project:** 

Client Sample ID: South Floor Collection Date: 5/22/2018 11:40:00 AM

Received Date: 5/23/2018 7:00:00 AM Lab ID: 1805C13-002 Matrix: SOIL PQL Qual Units Result **DF** Date Analyzed Batch Analyses EPA METHOD 300.0: ANIONS Analyst: MRA 5/23/2018 11:25:54 AM 38280 Chloride 250 30 mg/Kg 20 EPA METHOD 8015D MOD: GASOLINE RANGE Analyst: AG 5/23/2018 10:53:55 AM A51464 Gasoline Range Organics (GRO) ND 4.4 mg/Kg 1 Surr: BFB 117 70-130 %Rec 5/23/2018 10:53:55 AM A51464 1 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: Irm **Diesel Range Organics (DRO)** ND 9.8 5/23/2018 10:32:13 AM 38274 mg/Kg 1 Motor Oil Range Organics (MRO) 5/23/2018 10:32:13 AM 38274 ND 49 mg/Kg 1 Surr: DNOP 94.7 70-130 %Rec 1 5/23/2018 10:32:13 AM 38274 EPA METHOD 8260B: VOLATILES SHORT LIST Analyst: AG Benzene ND 0.022 5/23/2018 10:53:55 AM B51464 mg/Kg 1 5/23/2018 10:53:55 AM B51464 Toluene ND 0.044 mg/Kg 1 Ethylbenzene ND 0.044 mg/Kg 1 5/23/2018 10:53:55 AM B51464 Xylenes, Total ND 0.089 mg/Kg 5/23/2018 10:53:55 AM B51464 1 Surr: 4-Bromofluorobenzene 127 70-130 %Rec 5/23/2018 10:53:55 AM B51464 1 Surr: Toluene-d8 85.9 70-130 %Rec 5/23/2018 10:53:55 AM B51464 1

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 9
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

### Analytical Report Lab Order 1805C13

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Williams Field Services

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Client Sample ID: West Wall Collection Date: 5/22/2018 11:50:00 AM

Project:	Florance 44		Collection Date: 5/22/2018 11:50:00 AM									
Lab ID:	1805C13-003	Matrix: S	OIL	Received D	Received Date: 5/23/2018 7:00:00 AM							
Analyses		Result	PQL	Qual Units	DF	Date Analyzed	Batch					
EPA MET	HOD 300.0: ANIONS					Analyst	MRA					
Chloride		350	30	mg/Kg	20	5/23/2018 11:38:19 AM	38280					
EPA MET	HOD 8015D MOD: GASOL	INE RANGE				Analyst:	AG					
Gasoline	Range Organics (GRO)	ND	3.4	mg/Kg	1	5/23/2018 11:17:02 AM	A51464					
Surr: E	BFB	116	70-130	%Rec	1	5/23/2018 11:17:02 AM	A51464					
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	Irm					
Diesel R	ange Organics (DRO)	ND	9.9	mg/Kg	1	5/23/2018 10:54:02 AM	38274					
Motor Oi	I Range Organics (MRO)	ND	49	mg/Kg	1	5/23/2018 10:54:02 AM	38274					
Surr: [	ONOP	90.2	70-130	%Rec	1	5/23/2018 10:54:02 AM	38274					
EPA MET	HOD 8260B: VOLATILES	SHORT LIST				Analyst:	AG					
Benzene		ND	0.017	mg/Kg	1	5/23/2018 11:17:02 AM	B51464					
Toluene		ND	0.034	mg/Kg	1	5/23/2018 11:17:02 AM	B51464					
Ethylben	zene	ND	0.034	mg/Kg	1	5/23/2018 11:17:02 AM	B51464					
Xylenes,	Total	ND	0.068	mg/Kg	1	5/23/2018 11:17:02 AM	B51464					
Surr: 4	4-Bromofluorobenzene	127	70-130	%Rec	1	5/23/2018 11:17:02 AM	B51464					
Surr: 7	Foluene-d8	91.5	70-130	%Rec	1	5/23/2018 11:17:02 AM	B51464					

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
	D	Sample Diluted Due to Matrix	E	Value above quantitation range			
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 9			
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range			
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit			
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified			

### Analytical Report Lab Order 1805C13

### Hall Environmental Analysis Laboratory, Inc.

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**CLIENT:** Williams Field Services

Date Reported: 5/29/2018 Client Sample ID: East Wall Collection Date: 5/22/2018 12:00:00 PM

<b>Project:</b>	Florance 44			Collection I	Date: 5/2	2/2018 12:00:00 PM	
Lab ID:	1805C13-004	Matrix:	SOIL	Received I	Date: 5/2	23/2018 7:00:00 AM	
Analyses		Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst:	MRA
Chloride		150	30	mg/Kg	20	5/23/2018 11:50:44 AM	38280
EPA MET	THOD 8015D MOD: GASOL	INE RANGE				Analyst:	AG
Gasoline	e Range Organics (GRO)	ND	3.8	mg/Kg	1	5/23/2018 11:40:09 AM	A51464
Surr: I	BFB	118	70-130	%Rec	1	5/23/2018 11:40:09 AM	A51464
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analyst:	Irm
Diesel R	ange Organics (DRO)	ND	9.9	mg/Kg	1	5/23/2018 11:16:03 AM	38274
Motor Oi	I Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2018 11:16:03 AM	38274
Surr: [	ONOP	96.0	70-130	%Rec	1	5/23/2018 11:16:03 AM	38274
EPA MET	HOD 8260B: VOLATILES S	HORT LIST				Analyst:	AG
Benzene		ND	0.019	mg/Kg	1	5/23/2018 11:40:09 AM	B51464
Toluene		ND	0.038	mg/Kg	1	5/23/2018 11:40:09 AM	B51464
Ethylben	zene	ND	0.038	mg/Kg	1	5/23/2018 11:40:09 AM	B51464
Xylenes,	Total	ND	0.076	mg/Kg	1	5/23/2018 11:40:09 AM	B51464
Surr: 4	4-Bromofluorobenzene	128	70-130	%Rec	1	5/23/2018 11:40:09 AM	B51464
Surr:	Toluene-d8	90.9	70-130	%Rec	1	5/23/2018 11:40:09 AM	B51464

and the second				
Qualifiers: *		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 9
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

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Client: Project:	Willia Florar	ums Field Service nce 44	S						
Sample ID	MB-38280	SampType	mblk	Tes	tCode: EPA Met	thod 300.0: Anic	ons		
Client ID:	PBS	Batch ID:	38280	F	RunNo: 51462				
Prep Date:	5/23/2018	Analysis Date:	5/23/2018	S	SeqNo: 1677388	B Units: mg	Kg		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5						
Sample ID	LCS-38280	SampType	: Ics	Tes	tCode: EPA Met	thod 300.0: Anio	ns		
Client ID:	LCSS	Batch ID:	38280	F	RunNo: 51462				
Prep Date:	5/23/2018	Analysis Date:	5/23/2018	5	GeqNo: 1677389	) Units: mg	′Kg		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	92.8	90 110			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

WO#: 1805C13

29-May-18

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## QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: William Project: Floranc	ns Field Services e 44	S							
Sample ID MB-38274	SampType:	MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 38274			RunNo: <b>51459</b>					
Prep Date: 5/23/2018	5/23/2018 Analysis Date: 5/23/2018			SeqNo: 1	675893	Units: mg/K	g		
Analyte	Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10							
Motor Oil Range Organics (MRO)	ND	50							
Surr: DNOP	8.1	10.00		80.6	70	130			
Sample ID LCS-38274	SampType:	LCS	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID:	38274	F	RunNo: 5	1459				
Prep Date: 5/23/2018	Analysis Date:	5/23/2018	S	SeqNo: 1	675894	Units: mg/K	g		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10 50.00	0	102	70	130			
Surr: DNOP	3.7	5,000		73.1	70	130			

Qualifiers:

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

tion range

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1805C13 29-May-18

WO#: 180

#### **Client:** Williams Field Services

**Project:** Florance 44

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Sample ID 100ng btex Ics	Samp	Type: LC	S4	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: BatchQC	Batc	h ID: B5	1464	F	RunNo: 5	1464				
Prep Date:	Analysis [	Date: 5/	23/2018	5	SeqNo: 1	676027	Units: mg/ł	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.3	80	120			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.8	70	130			
Surr: Toluene-d8	0.49		0.5000		97.7	70	130			
Sample ID rb	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8260B: Vola	tiles Short	List	
Client ID: PBS	Batc	h ID: B5	1464	F	RunNo: 5	1464				
Prep Date:	Analysis [	Date: 5/	23/2018	S	SeqNo: 1	676034	Units: mg/M	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.63		0.5000		127	70	130			
Surr: Toluene-d8	0.47		0.5000		94.1	70	130			
	s SampType: MS4 TestCode: EPA Meth								the second se	the second se
Sample ID 1805c13-002ams	Samp	Гуре: МЗ	64	Tes	tCode: EF	PA Method	8260B: Vola	tiles Short	List	
Sample ID 1805c13-002ams Client ID: South Floor	Samp1 Batcl	Type: MS	64 1464	Tes F	tCode: EF	PA Method 1464	8260B: Vola	tiles Short	List	
Sample ID 1805c13-002ams Client ID: South Floor Prep Date:	Samp] Batcl Analysis E	Type: MS h ID: B5 Date: 5/	64 1464 23/2018	Tes F S	tCode: EF tunNo: 5 teqNo: 10	PA Method 1464 677817	8260B: Vola Units: mg/K	tiles Short	List	
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte	SampT Batcl Analysis E Result	Fype: MS h ID: B5 Date: 5/ PQL	54 1464 23/2018 SPK value	Tes F S SPK Ref Val	Code: EF CunNo: 5 GeqNo: 16 %REC	PA Method 1464 677817 LowLimit	8260B: Volat Units: mg/k HighLimit	tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene	Samp Batcl Analysis E Result 0.74	Type: MS h ID: B5 Date: 5/ PQL 0.022	54 1464 23/2018 SPK value 0.8881	Tes F S SPK Ref Val 0	tCode: EF tunNo: 5' SeqNo: 10 %REC 83.4	PA Method 1464 677817 LowLimit 80	8260B: Volar Units: mg/k HighLimit 120	tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene	Samp Batch Analysis E Result 0.74 0.82	Type: MS h ID: B5 Date: 5/ PQL 0.022 0.044	54 1464 23/2018 SPK value 0.8881 0.8881	Tes F SPK Ref Val 0 0	Code: EF RunNo: 5' GeqNo: 10 %REC 83.4 92.5	PA Method 1464 677817 LowLimit 80 80	8260B: Volar Units: mg/k HighLimit 120 120	tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene	Samp Batch Analysis E Result 0.74 0.82 0.90	Fype: MS h ID: B5 Date: 5/ PQL 0.022 0.044 0.044	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881	Tes F SPK Ref Val 0 0 0 0	Code: EF RunNo: 5' SeqNo: 10 %REC 83.4 92.5 101	PA Method 1464 677817 LowLimit 80 80 80 82	8260B: Volat Units: mg/k HighLimit 120 120 121	tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batch Analysis E Result 0.74 0.82 0.90 2.7	Fype: MS h ID: B5 Date: 5/ PQL 0.022 0.044 0.044 0.089	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664	Tes F SPK Ref Val 0 0 0 0.01755	Code: EF RunNo: 5' SeqNo: 10 %REC 83.4 92.5 101 99.3	PA Method 1464 677817 LowLimit 80 80 82 80.2	8260B: Volat Units: mg/k HighLimit 120 120 121 120	tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Sur: 4-Bromofluorobenzene	Samp Batch Analysis E Result 0.74 0.82 0.90 2.7 0.48	Fype: MS h ID: B5 Date: 5/ PQL 0.022 0.044 0.044 0.089	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440	Tes F SPK Ref Val 0 0 0 0.01755	Code: EF RunNo: 5' BeqNo: 10 <u>%REC</u> 83.4 92.5 101 99.3 109	PA Method 1464 677817 LowLimit 80 80 82 80.2 70	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130	tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8	Samp Batcl Analysis D Result 0.74 0.82 0.90 2.7 0.48 0.40	Fype: MS h ID: B5 Date: 5/ PQL 0.022 0.044 0.044 0.044	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440 0.4440	Tes F SPK Ref Val 0 0 0 0 0.01755	Code: EF SunNo: 5' SeqNo: 10 %REC 83.4 92.5 101 99.3 109 90.0	PA Method 1464 677817 LowLimit 80 80 80 82 80.2 70 70 70	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130	tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8	Samp Batcl Analysis E Result 0.74 0.82 0.90 2.7 0.48 0.40	Fype: MS h ID: B5 Date: 5/ PQL 0.022 0.044 0.044 0.044 0.089	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440 0.4440 0.4440	Tes F SPK Ref Val 0 0 0 0.01755 Tes	Code: EF RunNo: 5' SeqNo: 10 %REC 83.4 92.5 101 99.3 109 90.0	PA Method 1464 677817 LowLimit 80 80 80 80 2 80 2 70 70 70 70	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130 8260B: Volat	tiles Short (g %RPD	E List	Qual
Sample ID 1805c13-002ams   Client ID: South Floor   Prep Date: Analyte   Benzene Toluene   Ethylbenzene Xylenes, Total   Surr: 4-Bromofluorobenzene Surr: Toluene-d8   Sample ID 1805c13-002amsc   Client ID: South Floor	Samp Batcl Analysis D Result 0.74 0.82 0.90 2.7 0.48 0.40 Samp Batcl	Type: MS h ID: B5 Date: 5/ PQL 0.022 0.044 0.044 0.044 0.089	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440 0.4440 0.4440 5D4 1464	Tes F SPK Ref Val 0 0 0 0 0.01755 Tes F	Code: EF SunNo: 5' SeqNo: 10 %REC 83.4 92.5 101 99.3 109 90.0 Code: EF SunNo: 5'	PA Method 1464 677817 LowLimit 80 80 80 80 82 80.2 70 70 70 PA Method 1464	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130 8260B: Volat	tiles Short	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID 1805c13-002amsc Client ID: South Floor Prep Date:	Samp Batcl Analysis E Result 0.74 0.82 0.90 2.7 0.48 0.40 Samp Batcl Analysis E	Type:   MS     h ID:   B5     Date:   5/     PQL   0.022     0.044   0.044     0.089   5/     Fype:   MS     Date:   5/	54 1464 23/2018 SPK value 0.8881 0.8881 2.664 0.4440 0.4440 0.4440 5D4 1464 23/2018	Tes F SPK Ref Val 0 0 0.01755 Tes R S	Code: EF RunNo: 5' SeqNo: 10 %REC 83.4 92.5 101 99.3 109 90.0 Code: EF RunNo: 5' SeqNo: 10	PA Method 1464 677817 LowLimit 80 80 80 80 2 80.2 70 70 70 PA Method 1464 677818	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130 8260B: Volat Units: mg/k	tiles Short (g %RPD tiles Short	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID 1805c13-002amso Client ID: South Floor Prep Date: Analyte	Samp Batcl Analysis D Result 0.74 0.82 0.90 2.7 0.48 0.40 d Samp Batcl Analysis D Result	Fype: MS h ID: B5 Date: 5/ PQL 0.022 0.044 0.044 0.044 0.089 Fype: MS h ID: B5 Date: 5/ PQL	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440 0.4440 0.4440 5D4 1464 23/2018 SPK value	Tes F SPK Ref Val 0 0 0 0 0.01755 Tes R SPK Ref Val	Code: EF SunNo: 5' SeqNo: 16 %REC 83.4 92.5 101 99.3 109 90.0 Code: EF SunNo: 5' SeqNo: 16 %REC	PA Method 1464 677817 LowLimit 80 80 80 82 80.2 70 70 70 70 70 70 70 70 70 70 70 70 70	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130 8260B: Volat Units: mg/k HighLimit	tiles Short (g %RPD tiles Short (g %RPD	RPDLimit	Qual
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID 1805c13-002amso Client ID: South Floor Prep Date: Analyte Benzene	Samp Batcl Analysis E Result 0.74 0.82 0.90 2.7 0.48 0.40 I Samp Batcl Analysis E Result 0.65	Type:   MS     b ID:   B5     Date:   5/     PQL   0.022     0.044   0.044     0.044   0.089     Fype:   MS     Date:   5/     Date:   5/     PQL   0.022	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440 0.4440 0.4440 504 1464 23/2018 SPK value 0.8881	Tes SPK Ref Val 0 0 0 0 0.01755 Tes R SPK Ref Val 0	Code: EF SunNo: 5' SeqNo: 16 %REC 83.4 92.5 101 99.3 109 90.0 90.0 Code: EF SunNo: 5' SeqNo: 16 %REC 73.5	PA Method 1464 677817 LowLimit 80 80 82 80.2 70 70 70 PA Method 1464 677818 LowLimit 80	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130 130 8260B: Volat Units: mg/k HighLimit 120	tiles Short (g %RPD tiles Short (g %RPD 12.7	List RPDLimit List RPDLimit 20	Qual Qual S
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID 1805c13-002amso Client ID: South Floor Prep Date: Analyte Benzene Toluene	Samp Batcl Analysis E Result 0.74 0.82 0.90 2.7 0.48 0.40 1 Samp Batcl Analysis E Result 0.65 0.73	Type:   MS     b ID:   B5     b ID:   B7     PQL   0.022     0.044   0.044     0.044   0.089     Fype:   MS     b ID:   B5     b ID:   B5     b Date:   5/     PQL   0.022     0.022   0.044	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440 0.4440 0.4440 5D4 1464 23/2018 SPK value 0.8881 0.8881 0.8881	Tes F SPK Ref Val 0 0 0 0 0.01755 Tes SPK Ref Val 0 0 0	Code: EF SunNo: 5' SeqNo: 16 %REC 83.4 92.5 101 99.3 109 90.0 Code: EF SunNo: 5' SeqNo: 16 %REC 73.5 81.9	PA Method 1464 677817 LowLimit 80 80 82 80.2 70 70 70 PA Method 1464 677818 LowLimit 80 80	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130 8260B: Volat Units: mg/k HighLimit 120 120	tiles Short (g %RPD tiles Short (g %RPD 12.7 12.2	EList RPDLimit EList RPDLimit 20 20	Qual Qual S
Sample ID 1805c13-002ams Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Surr: Toluene-d8 Sample ID 1805c13-002amsc Client ID: South Floor Prep Date: Analyte Benzene Toluene Ethylbenzene	Samp Batcl Analysis E Result 0.74 0.82 0.90 2.7 0.48 0.40 2.7 0.48 0.40 3 Batcl Analysis E Result 0.65 0.73 0.89	Type:   MS     b ID:   B5     b ID:   B5     Date:   5/     PQL   0.022     0.044   0.044     0.089   5/     Fype:   MS     b ID:   B5     b ID:   B5     Date:   5/     PQL   0.022     0.044   0.044	54 1464 23/2018 SPK value 0.8881 0.8881 0.8881 2.664 0.4440 0.4440 0.4440 5D4 1464 23/2018 SPK value 0.8881 0.8881 0.8881 0.8881	Tes F SPK Ref Val 0 0 0 0.01755 Tes SPK Ref Val 0 0 0 0	Code: EF anNo: 5' SeqNo: 10 %REC 83.4 92.5 101 99.3 109 90.0 Code: EF anNo: 5' SeqNo: 10 %REC 73.5 81.9 99.9	PA Method 1464 677817 LowLimit 80 80 82 80.2 70 70 70 PA Method 1464 677818 LowLimit 80 80 80 82	8260B: Volat Units: mg/k HighLimit 120 120 121 120 130 130 8260B: Volat Units: mg/k HighLimit 120 120 120 121	tiles Short (g %RPD tiles Short (g %RPD 12.7 12.2 1.04	EList RPDLimit EList RPDLimit 20 20 20 20	Qual Qual S

#### Qualifiers:

D

- \* Value exceeds Maximum Contaminant Level.
  - Sample Diluted Due to Matrix Е
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % 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
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Page 7 of 9

WO#: 1805C13

29-May-18

0.37

Client: Project:	Williams I Florance 4									
Sample ID	1805c13-002amsd	SampTyp	e: M	ISD4	Tes	tCode:	EPA Method	8260B: Vo	latiles Sho	rt List
Client ID:	South Floor	Batch II	Batch ID: B51464			RunNo:	51464			
Prep Date:		Analysis Dat	e: 5	5/23/2018	5	SeqNo:	1677818	Units: mg	g/Kg	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	C LowLimit	HighLimit	t %RPD	RP
Surr: 4-Brom	nofluorobenzene	0.48		0.4440		10	8 70	130	) 0	

0.4440

83.0

70

130

Qualifiers:

Surr: Toluene-d8

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В
- E Value above quantitation range
- J
- Р
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

Analyte detected in the associated Method Blan							
	Analyte c	detected	in	the	associated	Method	Blank

- - Analyte detected below quantitation limits
  - Sample pH Not In Range

WO#: 1805C13

**RPDLimit** 

0

0

0

Page 8 of 9

29-May-18

Qual

# QC SUMMARY REPORT

Hall Environmenta	l Analysis	Laboratory,	Inc.
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WO#:	1805C13
	10000010

Page 9 of 9

29-May-18

Client:	Williams	Field Serv	vices								
Project:	Florance	44									
Sample ID	2.5ug gro lcs	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batch	n ID: A5	1464	F	RunNo: 5	1464				
Prep Date:		Analysis D	)ate: 5/	23/2018	S	SeqNo: 1	676019	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	23	5.0	25.00	0	93.8	70	130			
Surr: BFB		480		500.0		96.0	70	130			
Sample ID	rb	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	n ID: A5	1464	F	RunNo: 5	1464				
Prep Date:		Analysis D	ate: 5/	23/2018	S	SeqNo: 1	676020	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		580		500.0		117	70	130			
Sample ID	1805c13-001ams	SampT	ype: MS	6	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	North Floor	Batch	n ID: A5	1464	F	RunNo: 5	1464				
Prep Date:		Analysis D	ate: 5/	23/2018	S	SeqNo: 1	677710	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	17	3.7	18.33	0	91.0	64.7	142			
Surr: BFB		390		366.6		106	70	130			
Sample ID	1805c13-001amsd	I SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	North Floor	Batch	n ID: A5	1464	F	RunNo: 5	1464				
Prep Date:		Analysis D	ate: 5/	23/2018	S	SeqNo: 1	677711	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	16	3.7	18.33	0	88.6	64.7	142	2.67	20	
Surr: BFB		380		366.6		103	70	130	0	0	

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Envirc nta All TEL: 505-345-397 Website: www.h	al Analysis Laboratory 4901 Hawkins NE buquerque, NM 87109 5 FAX: 505-345-4107 vallenvironmental.com	Sample Log-In Check List
Client Name: WILLIAMS FIELD	SERVI Work Order Numbe	r: 1805C13	RcptNo: 1
Received By: Anne Thorne	5/23/2018 7:00:00 AN	л G	Anne Shim
Completed By: Anne Thorne	5/23/2018 7:07:55 AM	A 6	Anne Al-
Reviewed By: 50 Labelistory ; Ar 65	5 13 18		
Chain of Custody			
1. Is Chain of Custody complete?		Yes 🗹	No Not Present
2. How was the sample delivered?		Courier	
Log In 3. Was an attempt made to cool th	e samples?	Yes 🗹	
4. Were all samples received at a te	emperature of >0° C to 6.0°C	Yes 🗹	
5. Sample(s) in proper container(s)	?	Yes 🗹	No 🗌
6. Sufficient sample volume for indi	cated test(s)?	Yes 🗹 🚺	No 🗌
7. Are samples (except VOA and O	NG) properly preserved?	Yes 🗹 🛛	No 🗌
8. Was preservative added to bottle	s?	Yes	No 🗹 NA 🗌
9. VOA vials have zero headspace?		Yes 🗌 🕴	No 🗌 No VOA Vials 🗹
10. Were any sample containers rec	eived broken?	Yes 🗌 🛛	No 🗹
11. Does paperwork match bottle lab	els?	Yes 🗹 🛛 🕅	No for pH:
12 Are matrices correctly identified of	n Chain of Custodv?	Yes 🗸 🚺	No Adjusted?
13. Is it clear what analyses were rec	uested?	Yes 🖌 🗈	No 🗆
14. Were all holding times able to be	met?	Yes 🗹 🛛 🕅	No Checked by:
Special Handling (if applical			
15. Was client notified of all discrepa	ncies with this order?	Yes	
Person Notified:	Data		
By Whom:	Via:	eMail Phone	Fax In Person
Regarding:	n an		
Client Instructions:	na norman i na lanara uku kalang juga angalakikana mananana mananan na na na na	CORCEPTS OF INCOME A DESCRIPTION OF A DESCRIPTION	Selenate and the selenation was an other that the select of the select o
16. Additional remarks:			
17. <u>Cooler Information</u>		Real Data	and Pre
1 1.0 Good	Yes	Seal Date Sign	lea by
L			and a second

С	Chain-of-Custody Record			Turn-Around	Time:	sanc dai			2.3				-								
Client:	WF	5		□ Standard	🗹 Rush	85-23-18					M				2 I 7 I			ME		AL	,
				Project Name	):		1 4					w ha	llon	irop						IK I	
Mailing	Address	1756	- 1	Glassa	Ice ult			40/	04 LI	ouk	WWW						MOT	7100			
Blo	AL E	1009	NM 87417	Project #:			1	490		awki				- - -	erqu	e, N	M 87	709			
Phone	# 500	5-63	2-41175-					Te	a. 50	10-34	0-3	975 A	nal	vsis	Rea	uesi	-410 t	/			
email o	r Fax#:	Kilun	HONG DWILling 1 BM	Proiect Mana	aer:			2	6					4)							
QA/QC I	Package:	, y e e	George	]	3000		021)	as on	MR(			()		SO,	B						
□ Stan	dard		Level 4 (Full Validation)	KIJUN	HONG		s (8	(Ga:	102			SIMS		PO	PC						
Accredi	Accreditation			Sampler: Mo	organ Kill	lior	Ì₽	Hd	JO I	1)	1	70 S		VO2,	3082						7
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	(Type)	r		Sample Temp	perature ( o	aller Aller Cardinal Control (Cardinal Control (Cardinal Control (Cardinal Control (Cardinal Control (Cardinal Control Aller Cardinal Control (Cardinal Control (Cardinal Control (Cardinal Control (Cardinal Control (Cardinal Control	H H	TBE	B (G	pol	pou	10 0	etal	CI'N	cide	(A)	h-VC	PL			SS
Dete	Time	Martin	Comple Deguast ID	Container	Preservative	ale and a second se	<b>⊉</b> +	¥ 2	015	Meth	Meth	(83	8 N	Ê, F	besti	NON	Ser	10			oble
Date	fime	Matrix	Sample Request ID	Type and #	Туре	FEALING	EX	Щ	H 8	I) H	<b>DB</b> (	NH's	CRA	ions	81 F	60B	70 (	9	* .		Bul
Ê			Florance 4141	meath		10000	B	8	F	F	Ш	PA	N.	Ar	80	82	82	V	_		Air
81 / 61 6	1130	3611	North Floor	1-402	Cool	-701	X		X									Х			
5/22/18	1140	501	South Floor	1-402		702	X		4									X			
12/18	1150	50:1	West wall	1-402		203	X		X									X			
1-22/18	1200	5011	East wall	1-402	V	204	X		$\boldsymbol{X}$									X			Γ
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Date:	Time:	Relinquish	ed by:	Received by:	1	Date Time	Rer	narks	5:					I				· · ·			L
22/18	150	mis	or Lillion	Khante	Lalt	5/22/18 1510															
Date:	Time:	Relinquish	ed by:	Received by:	2	Date Time	1														
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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.

NMOCD

JUN 18 2018

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

Un

State of New Mexico Energy Minerals and Natural Resources **DISTRICT** 

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.

Form C-141

Revised August 8, 2011

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

	OPERATOR	Initial Report	$\boxtimes$	Final Report
Name of Company: Williams Four Corners LLC	Contact: Kijun Hong			
Address: 1755 Arroyo Dr., Farmington, NM 87413	Telephone No.: (505) 632-4475			
Facility Name: Culpepper Martin 4B Dogleg	Facility Type: Pipeline			

Surface Owner: Private	Mineral Owner	BLM Project No.

#### LOCATION OF RELEASE

it Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Μ	6	31N	12W					San Juan

#### Latitude 36.923156 Longitude -108.139248

#### NATURE OF RELEASE

Type of Release: Natural Gas and Pipeline Liquids	Volume of Release: Vo	olume Recovered:						
	51.8 MCF Natural Gas 01	MCF						
	60 yards of impacted soil 60	) vards of impacted soil removed						
	removed							
Source of Release: Pipeline	Date and Hour of Occurrence: Da	ate and Hour of Discovery:						
	5/14/2018 @ 3:30 PM 5/	14/2018 @ 3:30 PM						
Was Immediate Notice Given?	If YES, To Whom? NA							
By Whom? NA	Date and Hour: NA							
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse. NA							
If a Watercourse was Impacted, Describe Fully.* NA								
Describe Cause of Problem and Remedial Action Taken.*								
Release caused by failure of the pipeline due to internal corrosion. Pipeline was immediately shut-in on the discovery date/time and subsequently repaired on 5/18/2018.								
Describe Area Affected and Cleanup Action Taken.*								
A total of 60 yards of impacted soil was removed and back filled. Constandards. Please see attached documentation for further details.	ifirmation samples were collected on 5/2	29/2018 and came back below						
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understand the	hat pursuant to NMOCD rules and						
regulations all operators are required to report and/or file certain release n	otifications and perform corrective actions	s for releases which may endanger						
public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report" does	not relieve the operator of liability						
should their operations have failed to adequately investigate and remediat or the environment. In addition NMOCD acceptance of a $C_{-1}/41$ report d	e contamination that pose a threat to groun	the for compliance with any other						
federal state or local laws and/or regulations	bes not reneve the operator of responsion	ty for compliance with any other						
2, 10	OIL CONSERVAT	FION DIVISION						
	<u>OIL CONSERVIT</u>							
Signature:	Approved by Environmental Specialist:							
Printed Name: Kijun Hang								
Timed Name. Kijun Hong	Con							
Title: Environmental Specialist	Approval Date: Exp	iration Date:						
E-mail Address: kijun.hong@williams.com	Conditions of Approval:	Attached						
Date: 6/13/2018 Phone: (505) 632-4475								

\* Attach Additional Sheets If Necessary

NVF-1814950127

R



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

June 01, 2018

Kijun Hong Williams Field Services 188 Co. Rd 4900 Bloomfield, NM 87413 TEL: FAX

RE: Culpepper Martin 4B

OrderNo.: 1805F14

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/30/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT:	Williams Field Services		(	Client Samp	le ID: We	est Wall	
<b>Project:</b>	Culpepper Martin 4B			Collection	Date: 5/2	.9/2018 9:00:00 AM	
Lab ID:	1805F14-001	Matrix: S	OIL	Received	<b>Date:</b> 5/3	0/2018 6:50:00 AM	
Analyses		Result	PQL Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	MRA
Chloride		ND	30	mg/Kg	20	5/30/2018 11:44:46 AM	38378
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	Irm
Diesel Ra	ange Organics (DRO)	12	9.9	mg/Kg	1	5/30/2018 9:08:39 AM	38375
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	5/30/2018 9:08:39 AM	38375
Surr: D	NOP	89.9	70-130	%Rec	1	5/30/2018 9:08:39 AM	38375
EPA MET	HOD 8015D: GASOLINE RAM	IGE				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	27	mg/Kg	5	5/30/2018 9:32:32 AM	38366
Surr: E	BFB	93.3	15-316	%Rec	5	5/30/2018 9:32:32 AM	38366
EPA MET	HOD 8021B: VOLATILES					Analyst	NSB
Benzene		ND	0.13	mg/Kg	5	5/30/2018 9:32:32 AM	38366
Toluene		ND	0.27	mg/Kg	5	5/30/2018 9:32:32 AM	38366
Ethylbenz	zene	ND	0.27	mg/Kg	5	5/30/2018 9:32:32 AM	38366
Xylenes,	Total	ND	0.54	mg/Kg	5	5/30/2018 9:32:32 AM	38366
Surr: 4	-Bromofluorobenzene	104	80-120	%Rec	5	5/30/2018 9:32:32 AM	38366

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1	of 7
ND Not Detected at the		Not Detected at the Reporting Limit	Р	Sample pH Not In Range	017
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specifi	ied

### Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1805F14

Date Reported: 6/1/2018

CLIENT:	Williams Field Services			Client Sampl	e ID: Ea	st Wall	
<b>Project:</b>	Culpepper Martin 4B			Collection 1	Date: 5/2	9/2018 9:05:00 AM	
Lab ID:	1805F14-002	Matrix:	SOIL	Received I	Date: 5/3	0/2018 6:50:00 AM	
Analyses		Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analys	t: MRA
Chloride		ND	30	mg/Kg	20	5/30/2018 11:57:10 AM	1 38378
EPA MET	HOD 8015M/D: DIESEL RAN	IGE ORGANICS	5			Analys	t: Irm
Diesel Ra	ange Organics (DRO)	ND	9.9	mg/Kg	1	5/30/2018 9:30:34 AM	38375
Motor Oil	I Range Organics (MRO)	ND	49	mg/Kg	1	5/30/2018 9:30:34 AM	38375
Surr: E	DNOP	88.1	70-130	%Rec	1	5/30/2018 9:30:34 AM	38375
EPA MET	HOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline	Range Organics (GRO)	ND	22	mg/Kg	5	5/30/2018 9:55:51 AM	38366
Surr: E	3FB	94.8	15-316	%Rec	5	5/30/2018 9:55:51 AM	38366
EPA MET	HOD 8021B: VOLATILES					Analys	t: NSB
Benzene		ND	0.11	mg/Kg	5	5/30/2018 9:55:51 AM	38366
Toluene		ND	0.22	mg/Kg	5	5/30/2018 9:55:51 AM	38366
Ethylben	zene	ND	0.22	mg/Kg	5	5/30/2018 9:55:51 AM	38366
Xylenes,	Total	ND	0.44	mg/Kg	5	5/30/2018 9:55:51 AM	38366
Surr 4	1-Bromofluorobenzene	102	80-120	%Rec	5	5/30/2018 9:55:51 AM	38366

## Hall Environmental Analysis Laboratory, Inc.

D 00 vation information.

Refe	r to th	e QC Summary report and sample login checklis	st for flagg	ged QC data and preservation inform	ation
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Pag
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 ag
	POI	Practical Quanitative Limit	DI	Paparting Datastion Limit	

- antitation limits Page 2 of 7
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified W

**Analytical Report** 

Lab Order 1805F14

Date Reported: 6/1/2018

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

CLIENT: Project: Lab ID:	Williams Field Services Culpepper Martin 4B 1805F14-003	Matrix: 5	SOIL	Client Sampl Collection	e ID: Bo Date: 5/2	ttom 9/2018 9:10:00 AM 0/2018 6:50:00 AM	
Analyses		Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	MRA
Chloride		ND	30	mg/Kg	20	5/30/2018 12:09:35 PM	38378
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst:	Irm
Diesel Ra	ange Organics (DRO)	ND	9.9	mg/Kg	1	5/30/2018 9:52:36 AM	38375
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	5/30/2018 9:52:36 AM	38375
Surr: D	NOP	89.4	70-130	%Rec	1	5/30/2018 9:52:36 AM	38375
EPA MET	HOD 8015D: GASOLINE RAM	NGE				Analyst:	NSB
Gasoline	Range Organics (GRO)	ND	27	mg/Kg	5	5/30/2018 10:19:13 AM	38366
Surr: B	FB	99.9	15-316	%Rec	5	5/30/2018 10:19:13 AM	38366
EPA MET	HOD 8021B: VOLATILES					Analyst:	NSB
Benzene		ND	0.14	mg/Kg	5	5/30/2018 10:19:13 AM	38366
Toluene		ND	0.27	mg/Kg	5	5/30/2018 10:19:13 AM	38366
Ethylbenz	zene	ND	0.27	mg/Kg	5	5/30/2018 10:19:13 AM	38366
Xylenes,	Total	ND	0.54	mg/Kg	5	5/30/2018 10:19:13 AM	38366
Surr: 4	-Bromofluorobenzene	108	80-120	%Rec	5	5/30/2018 10:19:13 AM	38366

### Hall Environmental Analysis Laboratory, Inc.

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Refe	r to th	e QC Summary report and sample login checklis	st for flagg	ged QC data and preservation inform	ation.
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 3 of 7
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 age 5 01 7
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit	

- RL Reporting Detection Limit S % Recovery outside of range due to dilution or matrix
  - W Sample container temperature is out of limit as specified

**Analytical Report** Lab Order 1805F14 Date Reported: 6/1/2018

### Client: Williams Field Services

Project: Culpepper Martin 4B

Sample ID MB-38378	SampType: n	ıblk	Test	tCode: EPA	Method	300.0: Anion	S		
Client ID: PBS	Batch ID: 3	8378	R	unNo: 516	01				
Prep Date: 5/30/2018	Analysis Date:	5/30/2018	S	eqNo: 168	3649	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1.5	5							
Sample ID LCS-38378	SampType: Io	s	Test	Code: EPA	Method	300.0: Anions	5		
Sample ID LCS-38378 Client ID: LCSS	SampType: Io Batch ID: 3	s 8378	Test	tCode: EPA	Method	300.0: Anions	5		
Sample ID LCS-38378 Client ID: LCSS Prep Date: 5/30/2018	SampType: Io Batch ID: 3 Analysis Date:	cs 8378 5/30/2018	Test R S	Code: EPA tunNo: 5160 seqNo: 168	A Method 01 3650	300.0: Anions Units: mg/K	s g		
Sample ID LCS-38378 Client ID: LCSS Prep Date: 5/30/2018 Analyte	SampType: Id Batch ID: 3 Analysis Date: 4 Result PQL	s 8378 5/30/2018 SPK value	Test R S SPK Ref Val	Code: EPA RunNo: 5166 GeqNo: 168 %REC L	Method 601 3650 _owLimit	300.0: Anions Units: mg/K HighLimit	s g %RPD	RPDLimit	Qual

#### Qualifiers:

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

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WO#: 1805F14

01-Jun-18

#### Client: Williams Field Services

Project: Culpepper Martin 4B

Sample ID MB-38375	SampTyp	e: ME	ЗLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch ID	): <b>38</b>	375	F	RunNo: 5	159 <mark>8</mark>				
Prep Date: 5/30/2018	Analysis Date	e: 5/	30/2018	5	SeqNo: 1	682170	Units: mg/l	≺g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.6	70	130			
Sample ID LCS-38375	SampType	e: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch ID	): <b>38</b>	375	F	RunNo: 5	1598				
Prep Date: 5/30/2018	Analysis Date	e: <mark>5/</mark>	30/2018	S	SeqNo: 1	<mark>682171</mark>	Units: mg/k	٢g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	70	130			
Surr: DNOP	3.9		5.000		77.7	70	130			
Sample ID 1805F14-001AMS	SampType	e: MS	6	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: West Wall	Batch ID	): 38:	375	F	RunNo: 5	1598				
Prep Date: 5/30/2018	Analysis Date	e: 5/	30/2018	S	SeqNo: 1	682197	Units: mg/k	٢g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	9.9	49.70	11.57	93.0	62	120			
Surr: DNOP	4.3		4.970		87.2	70	130			
Sample ID 1805F14-001AMS	D SampType	e: MS	SD	Test	Code: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: West Wall	Patch ID	. 20	275			4500				
Cilencito. West Wall	Datch IL	. 38.	3/3	R	unino. 5	1290				
Prep Date: 5/30/2018	Analysis Date	e: 5/	30/2018	S	eqNo: 1	682221	Units: mg/k	٢g		
Analyte	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.10	11.57	86.1	62	120	5.46	20	
Surr: DNOP	4.5		5.010		894	70	130	0	0	

#### Qualifiers:

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

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WO#: 1805F14

01-Jun-18

### Client: Williams Field Services

Project: Culpepper Martin 4B

Sample ID MB-38366	SampType: M	BLK	Test	Code: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 38	3366	R	unNo: 5	1603				
Prep Date: 5/29/2018	Analysis Date: 5	/30/2018	S	eqNo: 1	682799	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	930	1000		92.9	15	316			
Sample ID LCS-38366	SampType: LC	CS	Test	Code: EF	PA Method	8015D: Gaso	line Rang	9	
Client ID: LCSS	Batch ID: 38	366	R	unNo: 5	1603				
Prep Date: 5/29/2018	Analysis Date: 5	/30/2018	S	eqNo: 1	682800	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
						101			
Gasoline Range Organics (GRO)	28 5.0	25.00	0	112	75.9	131			

#### Qualifiers:

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

WO#: 1805F14

01-Jun-18

Page 6 of 7

### Client: Williams Field Services

Project: Culpepper Martin 4B

Sample ID MB-38366	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 38	366	F	aunNo: 5	1603				
Prep Date: 5/29/2018	Analysis [	Date: 5/	30/2018	S	eqNo: 1	682840	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			
Sample ID LCS-38366	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 38	366	R	unNo: 5	1603				
Prep Date: 5/29/2018	Analysis [	Date: 5/	30/2018	S	eqNo: 1	682841	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	77.3	128			
Toluene	0.96	0.050	1.000	0	96.5	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80.7	127			
Xylenes, Total	2.0	0.10	2 000	0	00.0	01 6	120			
,	3.0	0.10	3.000	0	90.9	01.0	129			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

WO#: 1805F14

01-Jun-18

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albu TEL: 505-345-3975 J Website: www.hal	Analysis Laborator 4901 Hawkins N querque, NM 8710 FAX: 505-345-410 lenvironmental.co	79 1E 09 <b>San</b> 17 m	nple Log-In C	check List	
Client Name: WILLIAMS FIELD SERVI	Work Order Number:	1805F14	•	RcptNo:	: 1,	
				••	•	
Received By: Anne Thorne 5/3	30/2018 6:50:00 AM		anne Am			
Completed By: Anne Thorne 5/3	80/2018 7:02:51 AM		Anni Ha			ж.
Reviewed By: 50	30 8					
Label has Amore 13NIR						2
Chain of Custody			la de la com			•.
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present		
2. How was the sample delivered?	: · · · · .	Courier				
		· · · · ·				1 1 1 1 1
Log In					s at	1 I.
3. Was an attempt made to cool the samples?		Yes 🗹	NO L			
A Ware all complex monived at a temperature of N	0°Cto 6.0°C	Vac de	No			
4. Were an samples received at a temperature of 20	0 0 10 0 0 0	res 💌				
5. Sample(s) in proper container(s)?	20 20 20	Yes 🗹	No 🗌		*	-,
6. Sufficient sample volume for indicated test(s)?	,	Yes 🗹	No 🗌	:		
7. Are samples (except VOA and ONG) properly pre	served?	Yes 🖌	No 🗌	· ·		
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗌		
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹		
10 Were any sample containers received broken?		Yes	No 🗹			٦
				# of preserved bottles checked		
11. Does paperwork match bottle labels?	ι,	Yes 🖌	No 🗌	for pH:		
(Note discrepancies on chain of custody)				(<2 or Adjusted?	>12 unless noted)	-
12. Are matrices correctly identified on Chain of Custo	ody?	Yes M		Aujusteu !		
13. Is it clear what analyses were requested?				Checked by:		
(If no, notify customer for authorization.)						
Special Handling (if applicable)		-			· ·	
15 Was client notified of all discremancies with this of		Voc []		NA M		
15. was client notified of an discrepancies with this of					٦	
Person Notified:	Date	a at a				
By Whom:	Via: .	eMail Pho	ne 🔄 Fax	In Person	:	
Client Instructions					6	
		на (н.). 			_	
IO. Additional remarks:						
17. <u>Cooler Information</u> <u>Cooler No</u> Temp <sup>o</sup> C Condition Seal In 1 1.2 Good Yes	tact Seal No Se	al Date Si	gned By			

Client: Mailing	Address	-of-Cu liam 175	S S Amileo Dr Vm 87413	Turn-Around Standard Project Name Curl page Project #:	Time: E Rush e: pr Mar	Same Day 5/30/18 tin 4B		HALL ENVIRONMEN ANALYSIS LABORAT www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request					NT		r						
email o QA/QC I Stan Accredi NEL	r Fax#: <i>(</i> Package: dard tation AP	⊂ i'3 4m.	רקשייק ש אי ג' (נימייה גרשייה) □ Level 4 (Full Validation) ד	Project Mana /C . ; ; Sampler: C On Ice; Sample Tem	ger: H Lar's L Ø Yes Derature: 1	Jng DNO 2	<del>BE</del> +  ፑ <del>MB'</del> s (8021)	BE + TPH (Gas only)	(GRO / DRO / MRO)	od 418.1)	od 504.1)	0 or 8270 SIMS)	itals	I,NO <sub>3</sub> ,NO <sub>2</sub> ,PO <sub>4</sub> ,SO <sub>4</sub> )	ides / 8082 PCB's	(1	-VOA)				(Y or N)
Date	Time	Matrix	Sample Request ID	Active Container Type and # M-CUHKA	Preservative Type	HEAL No. 1805 F14	BTEX + MF	BTEX + MT	TPH 8015B	TPH (Metho	EDB (Metho	PAH's (8310	RCRA 8 Me	Anions (F,C	8081 Pestic	8260B (VO/	8270 (Semi-	Chlorde			Air Rubhles
<u>5/29/8</u> 5 <u>/24/0</u>	0913 0905	Soil	West wall East wall	402 Jar	C001	-70	X		X 1									X			-
5/4/0	0910	4	Bittom		¥	-763	Y		V									4			
Date: $\frac{5}{29}$ is Date: $\frac{3}{29}$ is Date: $\frac{3}{29}$ is	Time:	Relinquish Relinquish	ed by: ed by: http://www.commental.anaybe.subc	Received by:	at An-	Date Time 729/15 1037 Date Time 205/30/18 0.50 es. This serves as notice of this	Ren	bility.	Any su	b-cont	tracted	1 data	will be	clear	ly nota	ated or	n the a	analytic	al repor	t.	

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### **Remediation Excavation and Sampling Form**

Site Name Cullpaper Matin 48 **Excavation Dimensions (feet)** Length  $2\partial'$  Width  $\partial' - /\partial'$  Depth 2)

### **Excavation Diagram and Sample Locations**

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



Sample Information

OCD Witness Sampling Yes or No Agency(s) Representative(s) Camessa Fields

Sample ID	Sample Date	Type (Composite, Grab)	Location (Floor, Sidewall)	Comments
001	5/29/18	Come West will	Wall	
002	5/29/8	Com East Wall	Wall	
003	5/29/18	Comp Bitton	B) Fton	