Administrative/Environmental Order



AE Order Number Banner

Report Description

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



App Number: pJK1424834298

3RP - 1014

Williams Four Corners, LLC

11/3/2016

3R-1014

Release Report/ General Correspondence

Williams RA

Date: Jul-Sep 2016



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

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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.

Santa Fe, NM 87505 Release Notification and Corrective Action

	OPERATOR	\boxtimes	Initial Report	Final Repor
Name of Company: Williams Four Corners LLC	Contact: Michael Hannan			
Address: 1755 Arroyo Dr., Bloomfield, NM 87413	Telephone No.: (505) 632-4807			
Facility Name: 29-6#2 Central Delivery Point	Facility Type: Central Delivery Po	int		
	N N			

Surface Owner: Private

Mineral Owner

API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	-
A	19	29N	6W					Rio Arriba	

Latitude 36.74497° N Longitude -107.44417° W

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 5 bbls	Volume Recovered: 0 bbls				
Source of Release: Tank	Date and Hour of Occurrence: 08/5/2016 5:00 P.M.	Date and Hour of Discovery: 08/17/2016 12:00 P.M.				
Was Immediate Notice Given?	If YES, To Whom?					
🛛 Yes 🗌 No 🗌 Not Required	Cory Smith via phone call	AN AGNO DIV DIST 3				
By Whom? Mitch Morris	Date and Hour: 8/17/2016 3:00 PM	OIL CONS. DIV DIST. 3				
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.				
🛛 Yes 🗌 No	5 bbls	AUG 2 9 2016				
If a Watercourse was Impacted, Describe Fully.*						
The water migrated approximately ½ mile to a livestock pond. The livest was not observed to have migrated past the livestock pond.	ock pond is located at 36.752100, -107	445998. The water from the storm event				
Describe Cause of Problem and Remedial Action Taken.*						
Recent heavy rains washed out the berm that was constructed to control p run-on filled the containment and then washed out another portion of the water released from the secondary containment was a mixture of rain wat the livestock pond. Soil samples were collected from the flow path area. S applicable water quality standards (see attached). Confirmation soil samp	berm causing the release of water from er and produced water tank overflow. A Surface water results have been receive	the secondary containment area. The A surface water sample was collected from d and show that all results were below				
Describe Area Affected and Cleanup Action Taken.*						
Staining was observed at a few locations along the surface water flow path toward the livestock pond. To date, Williams removed the stained vegetation debris observed along the flow path as well a minor amount of stained soil. Williams is awaiting the confirmation soil analytical results to determine if additional remediation is required. The below-grade tank is undergoing maintenance to remove sediment that washed around the single-wall below-grade tank. A soil sample was collected on August 24, 2016 from below the tank during maintenance activities.						
I hereby certify that the information given above is true and complete to t regulations all operators are required to report and/or file certain release r public health or the environment. The acceptance of a C-141 report by th should their operations have failed to adequately investigate and remediat or the environment. In addition, NMOCD acceptance of a C-141 report of federal, state, or local laws and/or regulations.	notifications and perform corrective act e NMOCD marked as "Final Report" of the contamination that pose a threat to g	ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health				
MI	OIL CONSERV	ATION DIVISION				
Signature:						
Printed Name: Michael Hannan	Approved by Environmental Specialis	: Care Just				
Title: Engineer, Sr.	Approval Date: 9/16/16	Expiration Date:				
E-mail Address: michael.hannan@williams.com	Conditions of Approval:	Attached				
Date: 08/24/2016 Phone: (505) 632-4807	Additional Remediati	ow				
Attach Additional Sheets If Necessary HNCS 16260 49708 Tes	haine At BGT Location t For TPH (DRO-MRO	- GROJ >, BHEK.				

Analytical	Report
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Lab Order 1	608B70

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

1.27

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CLIENT	Williams Four Corners			C	lient Samp	le ID: Po	nd-1	
Project:	29-6 #2 Release Response				Collection	Date: 8/1	8/2016 1:30:00 PM	
Lab ID:	1608B70-001	Matrix:	AQUEOU	IS	Received	Date: 8/1	9/2016 7:30:00 AM	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 8260B: VOLATILES						Analyst	BCN
Benzene	e	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Toluene		ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Ethylber	nzene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Methyl to	ert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	imethylbenzene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	imethylbenzene	1.5	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
and the second second	loroethane (EDC)	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	omoethane (EDB)	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Naphtha		ND	2.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	Inaphthalene	ND	4.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	Inaphthalene	ND	4.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Acetone	100 C	ND	10		µg/L	1	8/19/2016 7:38:00 PM	R3664
Bromobe	enzene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Bromodi	ichloromethane	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Bromofo	orm	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Bromom	nethane	ND	3.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
2-Butan		ND	10		µg/L	1	8/19/2016 7:38:00 PM	R3664
Carbon		ND	10		µg/L	1	8/19/2016 7:38:00 PM	R3664
	Tetrachloride	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Chlorobe		ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Chloroet	thane	ND	2.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Chlorofo	orm	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Chlorom		ND	3.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
2-Chloro	No. 10 Percent	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
4-Chloro	ne ne la companya de	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
cis-1.2-0		ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
and second	Dichloropropene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	omo-3-chloropropane	ND	2.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
0.0	chloromethane	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
Dibromo	omethane	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
1.2-Dich	lorobenzene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
at a second and	lorobenzene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
and the second second second	lorobenzene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
and the second sec	difluoromethane	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	loroethane	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	loroethene	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	loropropane	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	loropropane	ND	1.0		µg/L	1	8/19/2016 7:38:00 PM	R3664
	loropropane	ND	2.0		µg/L	1	8/19/2016 7:38:00 PM	R3664

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 1 of 0
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix W Sample container temperature is out of limit a		Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1608B70

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Williams Four Corners			Client Samp	le ID: Por	nd-1	
Project: 29-6 #2 Release Response			Collection	Date: 8/1	8/2016 1:30:00 PM	
Lab ID: 1608B70-001	Matrix:	AQUEOUS	Received	Date: 8/1	9/2016 7:30:00 AM	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8260B: VOLATILES					Analyst	BCN
1,1-Dichloropropene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
Hexachlorobutadiene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
2-Hexanone	ND	10	µg/L	1	8/19/2016 7:38:00 PM	R36641
Isopropylbenzene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
4-Isopropyltoluene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
4-Methyl-2-pentanone	ND	10	µg/L	1	8/19/2016 7:38:00 PM	R36641
Methylene Chloride	ND	3.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
n-Butylbenzene	ND	3.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
n-Propylbenzene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
sec-Butylbenzene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
Styrene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
tert-Butylbenzene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
Tetrachloroethene (PCE)	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
trans-1,2-DCE	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
trans-1,3-Dichloropropene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
1,1,1-Trichloroethane	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
1,1,2-Trichloroethane	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
Trichloroethene (TCE)	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
Trichlorofluoromethane	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
1,2,3-Trichloropropane	ND	2.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
Vinyl chloride	ND	1.0	µg/L	1	8/19/2016 7:38:00 PM	R36641
Xylenes, Total	1.7	1.5	µg/L	1	8/19/2016 7:38:00 PM	R36641
Surr: 1,2-Dichloroethane-d4	93.5	70-130	%Rec	1	8/19/2016 7:38:00 PM	R36641
Surr: 4-Bromofluorobenzene	97.1	70-130	%Rec	1	8/19/2016 7:38:00 PM	R36641
Surr: Dibromofluoromethane	97.1	70-130	%Rec	1	8/19/2016 7:38:00 PM	R36641
Surr: Toluene-d8	97.5	70-130	%Rec	1	8/19/2016 7:38:00 PM	R36641

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 0
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S		% Recovery outside of range due to dilution or matrix		Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1608B70

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Williams Four Corners		C	lient Samp	le ID: Trip Blank	
Project: 29-6 #2 Release Response			Collection	Date:	
Lab ID: 1608B70-002	Matrix:	AQUEOUS	Received	Date: 8/19/2016 7:30:00 AM	
Analyses	Result	PQL Qual	Units	DF Date Analyzed Ba	atch
EPA METHOD 8260B: VOLATILES				Analyst: BC	CN
Benzene	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
Toluene	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
Ethylbenzene	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
Methyl tert-butyl ether (MTBE)	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
1,2,4-Trimethylbenzene	ND.	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
1,2-Dichloroethane (EDC)	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
Naphthalene	ND	2.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
1-Methylnaphthalene	ND	4.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
2-Methylnaphthalene	ND	4.0	µg/L	1 8/19/2016 6:51:00 PM R3	3664
Acetone	ND	10	µg/L	1 8/19/2016 6:51:00 PM R3	3664
Bromobenzene	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	366
Bromodichloromethane	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	366
Bromoform	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	366
Bromomethane	ND	3.0	µg/L	1 8/19/2016 6:51:00 PM R3	366
2-Butanone	ND	10	µg/L	1 8/19/2016 6:51:00 PM R3	366
Carbon disulfide	ND	10	µg/L	1 8/19/2016 6:51:00 PM R3	366
Carbon Tetrachloride	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	366
Chlorobenzene	ND	1.0	µg/L	1 8/19/2016 6:51:00 PM R3	366
Chloroethane	ND	2.0	µg/L	1 8/19/2016 6:51:00 PM R3	366
Chloroform	ND	1.0	µg/L		366
Chloromethane	ND	3.0	µg/L		366
2-Chlorotoluene	ND	1.0	µg/L		366
4-Chlorotoluene	ND	1.0	µg/L		366
cis-1,2-DCE	ND	1.0	µg/L		366
cis-1,3-Dichloropropene	ND	1.0	µg/L		366
1,2-Dibromo-3-chloropropane	ND	2.0	µg/L		366
Dibromochloromethane	ND	1.0	µg/L		366
Dibromomethane	ND	1.0	µg/L		366
1,2-Dichlorobenzene	ND	1.0	µg/L		366
1.3-Dichlorobenzene	ND	1.0	µg/L		366
1,4-Dichlorobenzene	ND	1.0	µg/L	The second s	366
Dichlorodifluoromethane	ND	1.0	µg/L		366
1,1-Dichloroethane	ND	1.0	µg/L		366
1,1-Dichloroethene	ND	1.0	µg/L		366
1,2-Dichloropropane	ND	1.0	µg/L		366
1,3-Dichloropropane	ND	1.0	µg/L		3664
2,2-Dichloropropane	ND	2.0	µg/L		3664

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 0
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S % Recovery outside of range due to dilution or m		% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Amala	vtical	De	
апап	vucai	ne	DOLL

Batch

R36641

Lab Order 1608B70 Hall Environmental Analysis Laboratory, Inc. Date Reported: **CLIENT:** Williams Four Corners Client Sample ID: Trip Blank 29-6 #2 Release Response **Project: Collection Date:** Lab ID: 1608B70-002 Matrix: AQUEOUS Received Date: 8/19/2016 7:30:00 AM Analyses Result **PQL Qual Units DF** Date Analyzed EPA METHOD 8260B: VOLATILES Analyst: BCN 1,1-Dichloropropene ND 1.0 µg/L 1 8/19/2016 6:51:00 PM ND 1.0 Hexachlorobutadiene µg/L 1 8/19/2016 6:51:00 PM ND 10 8/19/2016 6:51:00 PM 2-Hexanone µg/L 1 ND 1.0 8/19/2016 6:51:00 PM Isopropylbenzene µg/L 1 8/19/2016 6:51:00 PM ND 1.0 4-Isopropyltoluene µg/L 1 ND 10 8/19/2016 6:51:00 PM 4-Methyl-2-pentanone µg/L 1 ND 3.0 Methylene Chloride µg/L 1 8/19/2016 6:51:00 PM n-Butylbenzene ND 3.0 µg/L 1 8/19/2016 6:51:00 PM n-Propylbenzene ND 1.0 µg/L 1 8/19/2016 6:51:00 PM ND 1.0 8/19/2016 6:51:00 PM sec-Butylbenzene µg/L 1 Styrene ND 1.0 µg/L 1 8/19/2016 6:51:00 PM tert-Butylbenzene ND 1.0 µg/L 1 8/19/2016 6:51:00 PM 1,1,1,2-Tetrachloroethane ND 1.0 1 8/19/2016 6:51:00 PM µg/L 1,1,2,2-Tetrachloroethane ND 2.0 1 8/19/2016 6:51:00 PM µg/L Tetrachloroethene (PCE) ND 1.0 1 8/19/2016 6:51:00 PM µg/L trans-1,2-DCE ND 1.0 8/19/2016 6:51:00 PM µg/L 1 trans-1,3-Dichloropropene ND 1.0 8/19/2016 6:51:00 PM µg/L 1 1,2,3-Trichlorobenzene ND 1.0 µg/L 8/19/2016 6:51:00 PM 1 1,2,4-Trichlorobenzene ND 1.0 1 8/19/2016 6:51:00 PM µg/L 1.1.1-Trichloroethane ND 1.0 µg/L 1 8/19/2016 6:51:00 PM ND 1.0 1,1,2-Trichloroethane µg/L 1 8/19/2016 6:51:00 PM Trichloroethene (TCE) ND 1.0 µg/L 1 8/19/2016 6:51:00 PM Trichlorofluoromethane ND 1.0 µg/L 1 8/19/2016 6:51:00 PM 1,2,3-Trichloropropane ND 2.0 8/19/2016 6:51:00 PM µg/L 1 Vinyl chloride ND 1.0 µg/L 1 8/19/2016 6:51:00 PM Xylenes, Total ND 1.5 µg/L 1 8/19/2016 6:51:00 PM %Rec Surr: 1,2-Dichloroethane-d4 94.9 70-130 8/19/2016 6:51:00 PM 1 Surr: 4-Bromofluorobenzene 99.7 70-130 %Rec 1 8/19/2016 6:51:00 PM Surr: Dibromofluoromethane %Rec 98.8 70-130 1 8/19/2016 6:51:00 PM Surr: Toluene-d8 97.3 70-130 %Rec 8/19/2016 6:51:00 PM 1

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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 0
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	w	Sample container temperature is out of limit as specified

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

OIL CONS. DIV DIST. 3

State of New Mexico Energy Minerals and Natural Resources

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

MAY 28 2015

Form C-141 Revised August 8, 2011

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

			Rele	ase N	otification	n and Co	rrective A	ction			
ais	lon					OPERAT	TOR		nitial R	Report	Final R
		illiams Four					lsey Christianse				
		, Bloomfield	d, NM 8	7413			No.: (505) 632-4	606			
	ne: Trunk (1			Facility Typ	e: Pipeline				
urface Ow	ner: Bureau	u of Land M	lanageme	nt Mi	neral Owner	and the second sec		API	No.		
				1	LOCATIO	N OF REI	LEASE				
nit Letter	Section	Township	Range	Feet fro	m the North	/South Line	Feet from the	East/West Lin		ounty	
Н	29	26N	8W					r 8	R	io Arriba	
			1	Latitude	<u>36.45922° N</u>	Longitude	<u>-107.700965°</u>	W			
					NATURE	OF RELI	EASE				
pe of Rele	ase: Natural	Gas				Volume of	Release: 2,528 N	ICF Volum	ne Reco	overed: 0 l	MCF Natural g
	lassa Dirka	1.				Natural Ga	s our of Occurrence	Data (nd Hay	ur of Disco	
ource of Re	lease: Pinho	ile i				Estimated (8:00 AM	
'as Immedi	ate Notice G					If YES, To					
		\bowtie	Yes 📋	No 🗌	Not Required	Cory Smith Shari Ketch					
Whom?	Kelsey Chris	stiansen			1 1 m		our: 05/22/2015	at 12:30 PM M	ST	s dat to	13.42
as a Water	course Reac		Yes 🛛			If YES, Vo	lume Impacting	he Watercourse			R5
			Yes IX			1 (FO	1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 -			8	
ot Applicat	ole	pacted, Descr	ibe Fully.*	1	1.22	A. THE	Reference and the second secon	. <u>.</u>	- 1 - 1		
lot Applicat Describe Cau on May 22, 2	ble use of Proble 2015 Willian	pacted, Descr em and Reme ms personnel	ibe Fully.* dial Action discovered	1 Taken.*	î natural gas on Iral gas was rele		peline due to co	rrosion. The pip	beline v	vas repaire	ed safely, initia
ot Applicat escribe Cau n May 22, 2 owdown ar	ole use of Proble 2015 Willian ad purged. A	pacted, Descr em and Reme ms personnel	ibe Fully.* dial Action discovered / 2,528 MC	n Taken.* I a leak of CF of natu			peline due to co	rrosion. The pip	beline v	was repaire	ed safely, initia
ot Applicat escribe Cau n May 22, 2 lowdown ar escribe Are	ole use of Proble 2015 Willian Id purged. A a Affected a	pacted, Descr em and Reme ms personnel pproximately and Cleanup 4	ibe Fully.* dial Action discovered 7 2,528 MC Action Tal	n Taken.* I a leak of CF of natu			peline due to co	rrosion. The pip	peline v	vas repaire	d safely, initia
lot Applicat Describe Cau On May 22, 2 lowdown ar Describe Are No clean-	ole use of Proble 2015 Willian Id purged. A a Affected a up required	pacted, Descr em and Reme ms personnel pproximately and Cleanup 4 for natural ga	ibe Fully.* dial Action discovered 7 2,528 MC Action Tal s releases	n Taken.* I a leak of CF of natu	iral gas was rele	eased.			1 1 1 1 1 1 1 1 1 1 1 1 1 1		*
ot Applicat escribe Cau n May 22, 2 lowdown ar escribe Are <u>No clean- hereby certi</u> gulations a ublic health nould their or r the enviro	ble ase of Proble 2015 Willian ad purged. A a Affected a up required ify that the in ll operators or the envir operations ha nment. In ac	em and Reme ms personnel pproximately and Cleanup A for natural ga nformation gi are required to onment. The ave failed to a	ibe Fully.* dial Action discovered / 2,528 MC Action Tal s releases iven abo o report an acceptance adequa Ay OCD accep	n Taken.* I a leak of CF of natu .* "Ie an d/or "Ie c e of a -1 investiga	d complete to t ertain release n 41 report by th te and remediat	he best of my notifications ar e NMOCD mate contamination	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of	nderstand that j tive actions for eport" does not eat to ground w responsibility fo	oursuan release relieve ater, su or comp	nt to NMO es which n e the opera urface wate pliance wi	CD rules and nay endanger tor of liability er, human heal th any other
ot Applicat escribe Cau n May 22, 2 lowdown ar escribe Are No clean- hereby certi gulations a ablic health nould their of r the enviro cderal, state	ble ase of Proble 2015 Willian ad purged. A a Affected a up required 1 ify that the in Il operators : or the envir operations ha nment. In ac or local law	em and Reme ms personnel pproximately and Cleanup A for natural ga nformation gi are required t onment. The ave failed to a ddition, NMC	ibe Fully.* dial Action discovered / 2,528 MC Action Tal s releases iven abo o report an acceptanc adequa Jy DCD accep ilations.	n Taken.* I a leak of CF of natu .* "Ie an d/or "Ie c e of a -1 investiga	d complete to t ertain release n 41 report by th te and remediat C-141 report d	he best of my notifications ar e NMOCD ma te contamination loes not relieve	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of	nderstand that j tive actions for eport" does not eat to ground w responsibility for SERVATIC	oursuan release relieve ater, su or comp	nt to NMO es which n e the opera urface wate pliance wi	CD rules and nay endanger tor of liability er, human heal th any other
ot Applicat escribe Cau n May 22, 2 lowdown ar escribe Are No clean- hereby certi rgulations a ublic health ould their or the enviro deral, state	ble ase of Proble 2015 Willian ad purged. A a Affected a up required 1 ify that the in Il operators : or the envir operations ha nment. In ac or local law	em and Reme ms personnel approximately and Cleanup 4 for natural ga nformation gi are required to onment. The ave failed to a ddition, NMC vs and/or regu	ibe Fully.* dial Action discovered / 2,528 MC Action Tal s releases iven abo o report an acceptanc adequa Jy DCD accep ilations.	n Taken.* I a leak of CF of natu .* "Ie an d/or "Ie c e of a -1 investiga	d complete to t ertain release n 41 report by th te and remediat C-141 report d	he best of my notifications ar e NMOCD ma te contamination loes not relieve	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of OIL CON	nderstand that j tive actions for eport" does not eat to ground w responsibility for SERVATIC	oursuan release relieve ater, su or comp	nt to NMO es which n e the opera urface wate pliance wi	CD rules and nay endanger tor of liability er, human heal th any other
ot Applicat escribe Cau n May 22, 2 owdown ar escribe Are No clean- hereby certi gulations a ablic health iould their o the enviro deral, state gnature:	a Affected a up required i or the envir operations hi nment. In ad or local law	em and Reme ms personnel approximately and Cleanup 4 for natural ga nformation gi are required to onment. The ave failed to a ddition, NMC vs and/or regu	ibe Fully.* dial Action discovered / 2,528 MC Action Tal s releases iven abo o report an acceptanc adequa Jy DCD accep ilations.	n Taken.* I a leak of CF of natu .* "Ie an d/or "Ie c e of a -1 investiga	d complete to t certain release n 41 report by th te and remediat C-141 report d	he best of my notifications ar e NMOCD ma te contamination loes not relieve	knowledge and u ad perform correct arked as "Final R on that pose a thr e the operator of <u>OIL CON</u> Environmental S	nderstand that j tive actions for eport" does not eat to ground w responsibility for SERVATIC	oursuan release relieve ater, su or comp DN DI	at to NMO es which n e the opera urface wate pliance wi IVISIO	CD rules and nay endanger tor of liability er, human heal th any other
ot Applicat rescribe Cau on May 22, 2 lowdown ar rescribe Are No clean- hereby certi- sgulations a ublic health iould their of r the enviro deral, state ignature: rinted Name itle: Enviro	ble ase of Proble 2015 Williar ad purged. A a Affected a up required i fly that the ii ll operators i: or the envir operations his nment. In ac or local law Luy Ch e: Kelsey Ch nmental Spe	em and Reme ms personnel approximately and Cleanup 4 for natural ga nformation gi are required to onment. The ave failed to a ddition, NMC vs and/or regu	ibe Fully.* dial Action discovered / 2,528 MC Action Tal s releases iven abo o report an acceptance adequary ly DCD acceptions.	n Taken.* I a leak of CF of natu * * 	d complete to t certain release n 41 report by th te and remediat C-141 report d	he best of my totifications ar e NMOCD mile contaminations in the contamination loes not reliev Approved by	knowledge and u ad perform correc arked as "Final R on that pose a thr on that pose a thr <u>OIL CON</u> Environmental S e: <u>E/4///4</u>	nderstand that j tive actions for eport" does not eat to ground w responsibility for SERVATIC pecialist:	oursuan release relieve ater, su or comp	at to NMO es which n e the opera urface wate pliance wi IVISIO	CD rules and nay endanger tor of liability er, human heal th any other

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

State of New Mexico Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

AUG 11 2015

Form C-141 Revised August 8, 2011

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

1220 S. St. Francis Dr., Santa Fe, NM 87505 **Release Notification and Corrective Action OPERATOR** Initial Report \boxtimes **Final Report** Name of Company: Williams Four Corners LLC Contact: Kelsev Christiansen Address: 188 CR 4900, Bloomfield, NM 87413 Telephone No.: (505) 632-4606 Facility Name: Trunk Q Pipeline Facility Type: Pipeline Surface Owner: Bureau of Land Management Mineral Owner API No. LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 29 26N 8W **Rio Arriba** H Latitude 36.45922° N Longitude -107.700965° W NATURE OF RELEASE Volume of Release: 2,528 MCF Type of Release: Natural Gas Volume Recovered: 0 MCF Natural gas Natural Gas Source of Release: Pinhole Date and Hour of Occurrence: Date and Hour of Discovery: Estimated 05/15/15 05/22/15 at 08:00 AM MST Was Immediate Notice Given? If YES, To Whom? Yes No Not Required Corv Smith, NMOCD Shari Ketcham, BLM By Whom? Kelsey Christiansen Date and Hour: 05/22/2015 at 12:30 PM MST Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. Yes No If a Watercourse was Impacted, Describe Fully.* Not Applicable Describe Cause of Problem and Remedial Action Taken.* On May 22, 2015 Williams personnel discovered a leak of natural gas on the Trunk Q pipeline due to corrosion. The pipeline was repaired safely, initially blowdown and purged. Approximately 2,528 MCF of natural gas was released. Describe Area Affected and Cleanup Action Taken.* No clean-up required for natural gas releases. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Lelang Christian Approved by Environmental Specialist: Signature: Printed Name: Kelsey Christiansen Approval Date: Title: Environmental Specialist **Expiration Date:** E-mail Address: kelsey.christiansen@williams.com Conditions of Approval: Attached 🔲 Date: 05/22/15 Phone: (505) 632-4606 * Attach Additional Sheets If Necessary # NCS 16 2173 8244



July 17, 2015

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

OIL CONS. DIV DIST. 3

AUG 1 1 2015

RE: Trunk Q 5-Point Composite 0'-5'

OrderNo.: 1507407

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/10/2015 for the analyses presented in the following report.

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

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

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

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Lab Order 1507407

Date Reported: 7/17/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services

 Project: Trunk Q 5-Point Composite 0'-5'

 Lab ID: 1507407-001

 Matrix: SOIL

4

Client Sample ID: Trunk Q 5-Point Comp 0'-5' Collection Date: 7/9/2015 9:30:00 AM Received Date: 7/10/2015 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	ND	30	mg/Kg	20	7/15/2015 2:38:19 PM	20264
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analys	t: KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/13/2015 5:50:49 PM	20195
Surr: DNOP	107	57.9-140	%REC	1	7/13/2015 5:50:49 PM	20195
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/14/2015 10:28:46 AM	1 20202
Surr: BFB	92.2	75.4-113	%REC	1	7/14/2015 10:28:46 AM	1 20202
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.048	mg/Kg	1	7/14/2015 10:28:46 AM	1 20202
Toluene	ND	0.048	mg/Kg	1	7/14/2015 10:28:46 AM	1 20202
Ethylbenzene	ND	0.048	mg/Kg	1	7/14/2015 10:28:46 AM	1 20202
Xylenes, Total	ND	0.096	mg/Kg	1	7/14/2015 10:28:46 AM	1 20202
Surr: 4-Bromofluorobenzene	99.3	80-120	%REC	1	7/14/2015 10:28:46 AM	1 20202

OIL CONS. DIV DIST. 3

AUG 1 1 2015

Page 1 of 5

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

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Hall Environmental Analysis Laboratory, Inc.

Client: Project:		iams Field Servic k Q 5-Point Com		e 0'-5'							
Sample ID	MB-20264	SampTyp	e: ME	BLK	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch I	D: 20	264	F	RunNo: 2	7515				
Prep Date:	7/15/2015	Analysis Dat	ie: 7/	15/2015	5	SeqNo: 8	26176	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-20264	SampTyp	e: LC	s	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch I	D: 20	264	F	RunNo: 2	7515				
Prep Date:	7/15/2015	Analysis Dat	te: 7/	15/2015	8	SeqNo: 8	26177	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.3	90	110			

Qualifiers:

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

Page 2 of 5

WO#: 1507407 17-Jul-15

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Hall Environmental Analysis Laboratory, Inc.

WO#:	1507407
	17-Jul-15

Client: Project:		Field Servi 5-Point Cor		e 0'-5'							
Sample ID	MB-20195	SampTy	pe: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 20	195	F	RunNo: 2	27441				
Prep Date:	7/10/2015	Analysis Da	ate: 7/	13/2015	5	SeqNo: 8	323961	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	ND	10								
Surr: DNOP		9.8		10.00		97.6	57.9	140			
Sample ID	LCS-20195	SampTy	pe: LC	s	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 20	195	F	RunNo: 2	27441				
Prep Date:	7/10/2015	Analysis Da	ate: 7/	13/2015	5	SeqNo: 8	323962	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	49	10	50.00	0	97.8	57.4	139			
Sur: DNOP		4.4		5.000		88.1	57.9	140			
Sample ID	1507407-001AMS	SampTy		,	Tee	tCode: E	PA Mothod	8015M/D: Di	acol Pana	Organice	
								0015W/D. DI	eser Kang	eorganics	
Client ID:	Trunk Q 5-Point C		ID: 20			RunNo: 2		I laiter an all	-		
Prep Date:	7/10/2015	Analysis Da				SeqNo: 8		Units: mg/K	-		
Analyte	(550)	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C Surr: DNOP	Organics (DRO)	67 5.3	9.9	49.46 4.946	0	135 107	42.3 57.9	146 140			
Suit. DNOF		0.0		4.540		107	51.5	140			
Sample ID	1507407-001AMS	D SampTy	pe: MS	SD	Tes	tCode: E	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID:	Trunk Q 5-Point C	o Batch	ID: 20	195	F	RunNo: 2	27441				
Prep Date:	7/10/2015	Analysis Da	ite: 7/	13/2015	5	SeqNo: 8	323965	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	54	10	50.10	0	107	42.3	146	21.5	28.9	
Surr: DNOP		5.0		5.010		101	57.9	140	0	0	
Sample ID	MB-20262	SampTy	pe: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS		ID: 20			RunNo: 2					
Prep Date:		Analysis Da		TRANSING .		SeqNo: 8		Units: %RE	с		
											.
Analyte Surr: DNOP		Result 9.7	PQL	SPK value 10.00	SPK Ref Val	%REC 96.6	LowLimit 57.9	HighLimit 140	%RPD	RPDLimit	Qual
Sun. DNOP		9.7		10.00		90.0	57.9	140			
Sample ID	LCS-20262	SampTy	pe: LC	S	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 20	262	F	RunNo: 2	27509				
Prep Date:	7/15/2015	Analysis Da	ite: 7/	15/2015	5	SeqNo: 8	326581	Units: %RE	с		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		4.6		5.000		92.3	57.9	140	1 12		

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:	1507407
	17-Jul-15

lient:	Williams	Field Servi	ces								
Project:		5-Point Cor		e 0'-5'							
Sample ID	MB-20202	SampTy	rpe: ME	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
	PBS		ID: 20			RunNo: 2					
Contraction of the second	7/10/2015	Analysis Da				SegNo: 8		Units: mg/k	a		
					SPK Ref Val			HighLimit	%RPD	RPDLimit	Qual
Analyte Gasoline Rang	e Organics (GRO)	Result	PQL 5.0	SPK value	SPK Rei Vai	70REC	LOWLIMIL	підпіліпі	70RFD	REDLIMIL	Quai
Surr: BFB		920		1000		92.0	75.4	113			
Sample ID	LCS-20202	SampTy	pe: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	ID: 20	202	F	RunNo: 2	7497				
Prep Date:	7/10/2015	Analysis Da	ate: 7/	14/2015	5	SeqNo: 8	25061	Units: mg/M	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	103	64	130		a	
Surr: BFB		1000		1000		99.8	75.4	113			
Sample ID	1507407-001AMS	SampTy	pe: MS	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	Trunk Q 5-Point	Co Batch	ID: 20	202	F	RunNo: 2	7497				
Prep Date:	7/10/2015	Analysis Da	ate: 7/	14/2015	5	SeqNo: 8	25063	Units: mg/M	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	4.8	23.95	0	97.4	62.5	151			
Surr: BFB		950		957.9		99.6	75.4	113		1.55	
Sample ID	1507407-001AMS	D SampTy	pe: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	Trunk Q 5-Point	Co Batch	ID: 20	202	F	RunNo: 2	7497				
Prep Date:	7/10/2015	Analysis Da	ate: 7/	14/2015	5	SeqNo: 8	25064	Units: mg/k	g		
Analyte	8	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	4.8	23.95	0	97.5	62.5	151	0.0821	22.1	
Surr: BFB		950		957.9		99.6	75.4	113	0	0	
Sample ID	MB-20225	SampTy	pe: Mi	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: 20	225	F	RunNo: 2	7497				
Prep Date:	7/13/2015	Analysis Da	ate: 7/	14/2015	5	SeqNo: 8	25115	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	5 5 5	910		1000	3	90.8	75.4	113			
Sample ID	LCS-20225	SampTy	pe: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:		Batch	ID: 20	225	F	RunNo: 2	7497				
Prep Date:		Analysis Da	ate: 7/	14/2015		SeqNo: 8		Units: %RE	С		
		D	PQL	CDK uslus	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte		Result	PUI	OPA VAIDE	OFA REI VAI	70000				N D IIII	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

O RSD is greater than RSDlimit

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

Pa

P Sample pH Not In Range

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Page 4 of 5

- g Detection Limit

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Hall Environmental	Analysis	Laboratory.	Inc.
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Client: Project:		s Field Serv 5-Point Co		e 0'-5'							
rioject.	Thunk Q	5-Foline Co	mposit	c 0-5							
Sample ID	MB-20202	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batcl	h ID: 20	202	F	RunNo: 2	7497				
Prep Date:	7/10/2015	Analysis D	Date: 7/	14/2015	5	SeqNo: 8	25144	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	<mark>1.0</mark>		1.000		99.5	80	120			
Sample ID	LCS-20202	SampT	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batch	h ID: 20	202	F	RunNo: 2	7497				
Prep Date:	7/10/2015	Analysis E	Date: 7/	14/2015	5	SeqNo: 8	25145	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.050	1.000	0	101	76.6	128			
Toluene		0.98	0.050	1.000	0	97.9	75	124			
Ethylbenzene		1.0	0.050	1.000	0	102	79.5	126			
Xylenes, Total		3.0	0.10	3.000	0	101	78.8	124			
Surr: 4-Bron	nofluorobenzene	1.0		1.000		103	80	120		8. 111 Mg (811	
Sample ID	MB-20225	SampT	Type: ME	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID:	PBS	Batcl	h ID: 20	225	F	RunNo: 2	7497				
Prep Date:	7/13/2015	Analysis D	Date: 7/	14/2015	5	SeqNo: 8	25158	Units: %RE	с		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Brom	nofluorobenzene	0.98		1.000		97.9	80	120			
Sample ID	LCS-20225	SampT	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	LCSS	Batcl	h ID: 20	225	F	RunNo: 2	7497				
Prep Date:	7/13/2015	Analysis D	Date: 7/	14/2015	s	SeqNo: 8	25159	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bron	ofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

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

Page 5 of 5

WO#: 1507407

17-Jul-15

Client Name: WILLIAMS FIELD SERVI Work Order Numb Received by/date: Lindsay Mangin 7/10/2015 7:00:00 A Completed By: Lindsay Mangin 7/10/2015 7:23:57 A Reviewed By: CS 07/10/15 Chain of Custody 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered?	M	0	}}}} } No □ No □	RcptNo: Not Present Not Present	•
ogged By Lindsay Mangin 7/10/2015 7:00:00 A Completed By Lindsay Mangin 7/10/2015 7:23:57 A Reviewed By: (۲۹ ۲/10/2015 7:23:57 A Reviewed By: ۲۹ ۲/10/2015 7:23:57 A Reviewed By: ۲۹ ۲/10/2015 7:23:57 A Reviewed By: ۲۹ ۲/10/2015 7:23:57 A Complete By: ۲۹ ۲/10/2015 7:23:57 A Completed By: 1/10/2015 7:23:57 A Completed By: 1/10/2015 7:23:57 A Completed By: 1/10/2015 7:23:57 A Completed By: 1/10/20	M Yes [Yes] <u>Courier</u>	8		all a substance	
Completed By: Lindsay Mangin 7/10/2015 7:23:57 A Reviewed By: (S 07/10/15 <u>chain of Custody</u> 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete?	M Yes [Yes] <u>Courier</u>	8		all a substance	
Reviewed By: <u>Chain of Custody</u> 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete?	Yes Yes <u>Courier</u>	8		all a substance	
hain of Custody 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete?	Yes S <u>Courier</u>	8		all a substance	
hain of Custody 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete?	Yes S <u>Courier</u>	8		all a substance	
2. Is Chain of Custody complete?	Yes S <u>Courier</u>	8		all a substance	
	Courier		No .	Not Present	
3. How was the sample delivered?					
	Yes b				
Log In	Yes b				
4. Was an attempt made to cool the samples?		4	No 🗆		
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	9	No 🗆		
6. Sample(s) in proper container(s)?	Yes B	2	No 🗆		
7. Sufficient sample volume for indicated test(s)?	Yes W	8	No 🗆		
8. Are samples (except VOA and ONG) properly preserved?	Yes W	8	No 🗌		
9. Was preservative added to bottles?	Yes [3	No 🗹	NA 🗆	
10. VOA vials have zero headspace?	Yes [3	No 🗆	No VOA Vials 🗹	
11. Were any sample containers received broken?	Yes		No 🗹	# of preserved bottles checked	
12. Does paperwork match bottle labels?	Yes S	8	No 🗆	for pH:	or >12 unless noted)
(Note discrepancies on chain of custody) 3 Are matrices correctly identified on Chain of Custody?	Yes y	1	No 🗆	Adjusted?	
4 is it clear what analyses were requested?	Yes 5		No 🗆		
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes b	8	No 🗆	Checked by:	
pecial Handling (if applicable)					
16. Was client notified of all discrepancies with this order?	Yes [כ	No 🗆	NA 🗹	
Person Notified: Date	-		i i i i i i i i i i i i i i i i i i i		
By Whom: Via:	eMail	D Phon	e 🗌 Fax	In Person	
Regarding		1	an The second second	an a	hand a second
Client Instructions:					
17. Additional remarks:					
18. Cooler Information Cooler No Temp *C Condition Seal Intact Seal No	Seal Date	i Sig	ned By		
1 3.7 Good Yes		-			

. .

1/1/15	pate:					1						CIII	19/1-	Date		O NELAP	Accreditation	DAIQC Packs	email o	Phone #:	Bloom	Mailing		Client	0
1815	Time:											01.00	C'2	Time	EDD (Type)	R	tation	DA/OC Package:	mail or Fax#: chr	# JOS	F	Mailing Address:		UFS	hain-
W	Relinquist											36+ (Matrix		D Other			3135 th	5	ielt.	881 :		v	of-Cu
studdeday	may Lielen								1.000			S POINT COMP 0-5	TRUNKQ	Sample Request ID				C Level 4 (Full Validation)	christensed & willien .con	15- 7433	NN 87413	CR 4900			Chain-of-Custody Record
	Resperved by			~		4							1-412	Container Type and #	Sample Temperature:	On Ice:	Sampler: Mu	Kelse	Project Manager		Project #:	0.5'	Project Name	Standard	Turn-Around Time:
To a	liket										A 20	Lev	1	Preservative Type	berature: 3	12 Yes	ill: X Mappi	Y christe	ager:				ø	Rush	Time:
Date Time	7/9/15 1050												3	HEAL NO.	4	DNO	02	NSCH					spoint combin		
	Ren											2	~	BTEX + MTBE + TMB's (8021) BTEX + MTBE + TPH (Gas only)			Luilo's		19.10			-			
	Remarks:																	Tel	490						
	12 D. 19	A.				<u></u>		+	+	-	cure d	7	~	TPH 8015		1.1.1.1		RO/M	RO)		Tel. 505-345-3975	1901 Ha			
			- 1	-	1. 194 1947 - 194		-	+	+	-	-	-		100 C 100	PH (Method 418.1) DB (Method 504.1)				-345-	vkins	5	2:	I		
							+	+	+			ni ya ber		PAH's (83	-100	-		SIMS)	Quescilet N		3975	kins NE -	ww.hallenvironmental.com	2	
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OIL CONS. DIV DIST. 3

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

State of New Mexico Energy Minerals and Natural Resources

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

AUG 1 8 2016

Form C-141 Revised August 8, 2011

1

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

Release Notification and Corrective Action												
		OPERA	TOR	\boxtimes	Initial Report		Final Report					
Name of Company Williams Four Corners LL	Contact	Mitch Morris										
Address 1755 Arroyo Drive		Telephone	No. 505-632-4708									
Facility Name Lateral E-3		Facility Ty	pe Pipeline									
Surface Owner Jicarilla Apache Nation	Mineral Owner			A	PI No.							

LOCATION OF RELEASE

Unit Letter S F	Section Township 13 27N	Range Feet from 3W	n the North/South Line	Feet from the	East/West Line	County Rio Arriba
--------------------	----------------------------	-----------------------	------------------------	---------------	----------------	----------------------

Latitude 36.575383° N Longitude -107.098583° W

NATURE OF RELEASE

Type of Release Natural Gas	Volume of Release Estimated at 1646.76 MCF	Volume Recovered Estimated at 0 MCF						
Source of Release Pinhole leak in pipeline	Date and Hour of Occurrence 08/09/2016, 10:00 AM MST	Date and Hour of Discovery 08/09/2016, 10:00 AM MST						
Was Immediate Notice Given?	If YES, To Whom? Cory Smith via	Telephone						
By Whom? Mitch Morris	Date and Hour 08/09/2016 ~1:30 pm							
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse. TBD – This is a natural gas release and impacts to soil will be determined upon excavation and repair.							
If a Watercourse was Impacted, Describe Fully.*								
TBD - This is a natural gas release and impacts to soil will be determined	upon excavation and repair.							
Describe Cause of Problem and Remedial Action Taken.*								
A line survey along Lateral E-3 identified a pipeline leak located in a dry pressurized/isolated and is awaiting repair.	wash. No liquids were observed at the	e ground surface. The pipeline has been de-						
Describe Area Affected and Cleanup Action Taken.*								
Initial excavation and repair of the pipeline is scheduled for 08-12-2016.								
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 d federal, state, or local laws and/or regulations.	otifications and perform corrective act e NMOCD marked as "Final Report" of e contamination that pose a threat to g	ions for releases which may endanger does not relieve the operator of liability round water, surface water, human health						
	OIL CONSERV	ATION DIVISION 1						
Mitch Morris	Approved by Environmental Specialist:							
Printed Name: Mitch Morris		0						
		Expiration Date:						
E-mail Address: Mitch.Morris@williams.com	Conditions of Approval: Test So For TPH CDRO- 620- MR	Attached						
Date: 08/012/2016 Phone: 505-632-4708	Btex, Cest water	FOR						
Attach Additional Sheets If Necessary 11	FT IAT - CANAL IA							

NCS 1622536973 AND 8026 WITHE.

OIL CONS. DIV DIST. 3

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

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

JUL 22 2016

API No.

Form C-141 Revised August 8, 2011

(1)

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

1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action

Mitch Morris		
ne No. 505-632-4708		
Type Pipeline		
0	et Mitch Morris none No. 505-632-4708 y Type Pipeline	ione No. 505-632-4708

Surface Owner Jicarilla Apache Nation Mineral Owner

LOCATION OF RELEASE

					and the set of the state of the	the second se		
Unit Letter F	Section 13	Township 26N	Range 5W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba

Latitude <u>36.489756° N</u> Longitude -<u>107.315292° W</u>

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release Estimated at 5 BBL	Volume Recovered Estimated at 5 BBL								
Source of Release Pinhole leak in pipeline	Date and Hour of Occurrence 05/24/2016, 10:00 AM MST	Date and Hour of Discovery 05/24/2016, 10:00 AM MST								
Was Immediate Notice Given?	If YES, To Whom?									
🗌 Yes 🗌 No 🖾 Not Required										
By Whom?	Date and Hour									
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.									
Yes No N/A										
If a Watercourse was Impacted, Describe Fully.*										
Not Applicable										
Describe Cause of Problem and Remedial Action Taken.*										
While performing routine duties, Williams inspector discovered a pipeline leak. The leak was initially determined to be gaseous only, but historically impacted soil was discovered during excavation.										
Describe Area Affected and Cleanup Action Taken.*										
Approximately 60 cubic yards of impacted soil was remediated in direct coordination with the Jicarilla Apache Tribe. Backfill approval was given via Hobson Sandoval with the Jicarilla Apache Tribe. Attached are the final soil analytical results.										
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.										
	OIL CONSERV	ATION DIVISION								
		0								
Mitch Morris	Approved by Environmental Specialis	" Imy he								
Signature:		Caul								
Printed Name: Mitch Morris										
Title: Environmental Specialist	Approval Date: 8/23/16 Expiration Date:									
E-mail Address: Mitch.Morris@williams.com	Conditions of Approval: Attached									
Date: 07/019/2016 Phone: 505-632-4708										
Attach Additional Sheets If Necessary # NCS 16	23630403	0								

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 18, 2016

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

RE: Later 20 Line Leak

OrderNo.: 1607691

Dear Mitch Morris:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/15/2016 for the analyses presented in the following report.

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

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

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

Sincerely,

andia

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical	Report
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Lab Order 1607691

Date Reported: 7/18/2016

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Lat H 20 Sidewall Composite

 Project:
 Later 20 Line Leak
 Collection Date: 7/14/2016 12:50:00 PM

 Lab ID:
 1607691-001
 Matrix: MEOH (SOIL)
 Received Date: 7/15/2016 7:50:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	TOM
Petroleum Hydrocarbons, TR	150	20	mg/Kg	1	7/15/2016 12:00:00 PM	26417
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	85	30	mg/Kg	20	7/15/2016 11:30:10 AM	26445
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	64	10	mg/Kg	1	7/15/2016 11:08:49 AM	26416
Surr: DNOP	91.5	70-130	%Rec	1	7/15/2016 11:08:49 AM	26416
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	27	8.2	mg/Kg	2	7/15/2016 1:09:28 PM	A35730
Surr: BFB	197	80-120	S %Rec	2	7/15/2016 1:09:28 PM	A35730
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.041	mg/Kg	2	7/15/2016 1:09:28 PM	B35730
Toluene	0.088	0.082	mg/Kg	2	7/16/2016 2:58:13 PM	A35745
Ethylbenzene	0.12	0.082	mg/Kg	2	7/15/2016 1:09:28 PM	B35730
Xylenes, Total	1.5	0.16	mg/Kg	2	7/15/2016 1:09:28 PM	B35730
Surr: 4-Bromofluorobenzene	114	80-120	%Rec	2	7/15/2016 1:09:28 PM	B35730

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 of
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	w	Sample container temperature is out of limit as specified

Analy	vtical	Re	nort
ranary	utai	INC.	DOLL

Lab Order 1607691

Date Reported: 7/18/2016

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services
 Client Sample ID: Lat H 20 Bottom Composite

 Project:
 Later 20 Line Leak
 Collection Date: 7/14/2016 12:55:00 PM

 Lab ID:
 1607691-002
 Matrix: MEOH (SOIL)
 Received Date: 7/15/2016 7:50:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	том
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	7/15/2016 12:00:00 PM	26417
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	77	30	mg/Kg	20	7/15/2016 11:42:35 AM	26445
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/15/2016 11:30:30 AM	26416
Surr: DNOP	92.1	70-130	%Rec	1	7/15/2016 11:30:30 AM	26416
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	7/15/2016 11:07:26 AM	A35730
Surr: BFB	88.1	80-120	%Rec	1	7/15/2016 11:07:26 AM	A35730
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.019	mg/Kg	1	7/15/2016 11:07:26 AM	B35730
Toluene	ND	0.038	mg/Kg	1	7/16/2016 3:21:43 PM	A35745
Ethylbenzene	ND	0.038	mg/Kg	1	7/15/2016 11:07:26 AM	B35730
Xylenes, Total	ND	0.076	mg/Kg	1	7/15/2016 11:07:26 AM	B35730
Surr: 4-Bromofluorobenzene	95.1	80-120	%Rec	1	7/15/2016 11:07:26 AM	B35730

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 7
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	s	% Recovery outside of range due to dilution or matrix	w	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laborator

WO#: 1607691

18-Jul-16

Client: Project:		ns Field Services 20 Line Leak							
Sample ID	MB-26445	SampType:	MBLK	Tes	tCode: EPA Meth	od 300.0: Anior	IS		
Client ID:	PBS	Batch ID:	26445	F	RunNo: 35763				
Prep Date:	7/15/2016	Analysis Date:	7/15/2016	5	SeqNo: 1106514	Units: mg/k	(g		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC LowLin	nit HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	.5			-			
Sample ID	LCS-26445	SampType:	LCS	Tes	tCode: EPA Meth	od 300.0: Anion	IS		
Client ID:	LCSS	Batch ID:	26445	F	RunNo: 35763				
Prep Date:	7/15/2016	Analysis Date:	7/15/2016	5	SeqNo: 1106515	Units: mg/h	(g		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC LowLin	nit HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1	1.5 15.00	0	92.5 9	0 110			

Qualifiers:

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

ta ta

Page 3 of 7

WO#: 1607691

18-Jul-16

Hall Environmental Analysis Laboratory, Inc.

	ms Field Services 20 Line Leak			
Sample ID MB-26417	SampType: MBLK	TestCode: EPA Method	418.1: TPH	
Client ID: PBS	Batch ID: 26417	RunNo: 35727		
Prep Date: 7/15/2016	Analysis Date: 7/15/2016	SeqNo: 1105628	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Petroleum Hydrocarbons, TR	ND 20			
Sample ID LCS-26417	SampType: LCS	TestCode: EPA Method	418.1: TPH	
Client ID: LCSS	Batch ID: 26417	RunNo: 35727		
Prep Date: 7/15/2016	Analysis Date: 7/15/2016	SeqNo: 1105629	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Petroleum Hydrocarbons, TR	96 20 100.0	0 96.3 80.7	121	
Sample ID LCSD-26417	SampType: LCSD	TestCode: EPA Method	418.1: TPH	
Client ID: LCSS02	Batch ID: 26417	RunNo: 35727		
Prep Date: 7/15/2016	Analysis Date: 7/15/2016	SeqNo: 1105630	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Petroleum Hydrocarbons, TR	95 20 100.0	0 95.1 80.7	121 1.33	20

Qualifiers:

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

Page 4 of 7

	ns Field Services 0 Line Leak										
Sample ID LCS-26416	SampType: LCS	3	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 264	16	R	unNo: 3	5729						
Prep Date: 7/15/2016	Analysis Date: 7/1	5/2016	S	eqNo: 1	105693	Units: mg/Kg					
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	41 10	50.00	0	81.5	62.6	124					
Surr: DNOP	4.0	5.000		79.1	70	130					
Sample ID MB-26416	SampType: MBI	LK	Test	Code: El	A Method	8015M/D: Di	esel Rang	e Organics			
Client ID: PBS	Batch ID: 264	16	R	unNo: 3	5729						
Prep Date: 7/15/2016	Analysis Date: 7/1	5/2016	S	eqNo: 1	105694	Units: mg/K	g				

LowLimit

70

88.1

SPK value SPK Ref Val %REC

10.00

Hall Environmental Analysis Laboratory, Inc.

PQL

10

Result

ND

8.8

Value exceeds Maximum Contaminant Level. *

Qualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В 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 7

1607691

WO#: 18-Jul-16

%RPD

HighLimit

130

RPDLimit

Qual

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1607691

18-Jul-16

Client: Project:		s Field Serv Line Leak	vices	1										
Sample ID	2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e				
Client ID:	LCSS	Batch	D: A3	5730	RunNo: 35730									
Prep Date:		Analysis D	ate: 7	15/2016	5	SeqNo: 1	105921	Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
	e Organics (GRO)	26	5.0	25.00	0	105	80	120						
Surr: BFB		930		1000		92.8	80	120						
Sample ID	1607691-002AMS	SampT	ype: M	S	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e				
Client ID:	Lat H 20 Bottom	Co Batch	D: A3	5730	F	RunNo: 3	5730							
Prep Date:		Analysis D	ate: 7	15/2016	5	SeqNo: 1	105922	Units: mg/H	g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
-	e Organics (GRO)	22	3.8	18.90	0	119	59.3	143						
Surr: BFB		740		755.9		97.6	80	120						
Sample ID	1607691-002AMS	D SampT	ype: M	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e				
Client ID:	Lat H 20 Bottom	Co Batch	DID: A3	5730	F	RunNo: 3	5730		-					
Prep Date:		Analysis D	ate: 7	15/2016	5	SeqNo: 1	105923	Units: mg/k	g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
	e Organics (GRO)	20	3.8	18.90	0	108	59.3	143	9.74	20				
Surr: BFB		700		755.9		92.1	80	120	0	0				
Sample ID	MB-26404	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e				
	MB-26404 PBS	• • •	ype: MI 1D: 26			tCode: E RunNo: 3		8015D: Gasc	line Rang	e				
Client ID:		• • •	D: 26	404	F		5730	8015D: Gaso Units: %Re		e				
Client ID: Prep Date:	PBS	Batch	D: 26	404 (15/2016	F	RunNo: 3	5730	Units: %Re		e	Qual			
Client ID: Prep Date:	PBS	Batch Analysis D	ID: 26	404 (15/2016	F	RunNo: 3 SeqNo: 1	5730 105939		c		Qual			
Client ID: Prep Date: Analyte Surr: BFB	PBS	Batch Analysis D Result 880	ID: 26	404 15/2016 SPK value 1000	F SPK Ref Val	RunNo: 3 SeqNo: 1 %REC 87.5	5730 105939 LowLimit 80	Units: % Re HighLimit	c %RPD	RPDLimit	Qual			
Client ID: Prep Date: Analyte Surr: BFB Sample ID	PBS 7/14/2016	Batch Analysis D Result 880 SampT	DID: 26	404 /15/2016 SPK value 1000	F SPK Ref Val Tes	RunNo: 3 SeqNo: 1 %REC 87.5	5730 105939 LowLimit 80 PA Method	Units: %Re HighLimit 120	c %RPD	RPDLimit	Qual			
Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID:	PBS 7/14/2016 LCS-26404 LCSS	Batch Analysis D Result 880 SampT	PQL ype: LC	404 (15/2016 SPK value 1000 SS 404	F SPK Ref Val Tes F	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E	5730 105939 LowLimit 80 PA Method 5730	Units: %Re HighLimit 120	c %RPD line Rang	RPDLimit	Qual			
Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID:	PBS 7/14/2016 LCS-26404 LCSS	Batch Analysis D Result 880 SampT Batch	PQL ype: LC	404 15/2016 SPK value 1000 CS 404 15/2016	F SPK Ref Val Tes F	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E RunNo: 3 SeqNo: 1	5730 105939 LowLimit 80 PA Method 5730 105940	Units: %Re HighLimit 120 8015D: Gase	c %RPD line Rang	RPDLimit	Qual			
Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID: Prep Date:	PBS 7/14/2016 LCS-26404 LCSS	Batch Analysis D Result 880 SampT Batch Analysis D	PQL PQL ype: LC 1D: 26 hate: 7/	404 15/2016 SPK value 1000 CS 404 15/2016	F SPK Ref Val Tes F S	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E RunNo: 3 SeqNo: 1	5730 105939 LowLimit 80 PA Method 5730 105940	Units: %Re HighLimit 120 8015D: Gaso Units: %Re	c %RPD viline Rang	RPDLimit e				
Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID: Prep Date: Analyte	PBS 7/14/2016 LCS-26404 LCSS 7/14/2016	Batch Analysis D Result 880 SampT Batch Analysis D Result 960	PQL PQL ype: LC 1D: 26 hate: 7/	404 (15/2016 SPK value 1000 SS 404 (15/2016 SPK value 1000	F SPK Ref Val Tes F SPK Ref Val	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E RunNo: 3 SeqNo: 1 %REC 95.8	5730 105939 LowLimit 80 PA Method 5730 105940 LowLimit 80	Units: %Re HighLimit 120 8015D: Gasc Units: %Re HighLimit	c %RPD Mine Rang c %RPD	RPDLimit e RPDLimit				
Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB	PBS 7/14/2016 LCS-26404 LCSS 7/14/2016	Batch Analysis D Result 880 SampT Batch Analysis D Result 960 SampT	PQL PQL Yype: LC D ID: 26 Date: 7/ PQL	404 (15/2016 SPK value 1000 SS 404 (15/2016 SPK value 1000 BLK	F SPK Ref Val Tes SPK Ref Val Tes	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E RunNo: 3 SeqNo: 1 %REC 95.8	5730 105939 LowLimit 80 PA Method 5730 105940 LowLimit 80 PA Method	Units: %Re HighLimit 120 8015D: Gaso Units: %Re HighLimit 120	c %RPD Mine Rang c %RPD	RPDLimit e RPDLimit				
Client ID: Prep Date: Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID:	PBS 7/14/2016 LCS-26404 LCSS 7/14/2016 B32 PBS	Batch Analysis D Result 880 SampT Batch Analysis D Result 960 SampT	ID: 26 ID: A3	404 (15/2016 SPK value 1000 SS 404 (15/2016 SPK value 1000 BLK 5730	F SPK Ref Val Tes SPK Ref Val Tes F	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E RunNo: 3 SeqNo: 1 %REC 95.8 tCode: E	5730 105939 LowLimit 80 PA Method 5730 105940 LowLimit 80 PA Method 5730	Units: %Re HighLimit 120 8015D: Gaso Units: %Re HighLimit 120	c %RPD oline Rang c %RPD	RPDLimit e RPDLimit				
Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB Sample ID	PBS 7/14/2016 LCS-26404 LCSS 7/14/2016 B32 PBS	Batch Analysis D Result 880 SampT Batch Analysis D Result 960 SampT Batch	ID: 26 ID: A3	404 (15/2016 SPK value 1000 SS 404 (15/2016 SPK value 1000 BLK (5730 (15/2016	F SPK Ref Val Tes SPK Ref Val Tes F	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E RunNo: 3 SeqNo: 1 %REC 95.8 tCode: E RunNo: 3 SeqNo: 1	5730 105939 LowLimit 80 PA Method 5730 105940 LowLimit 80 PA Method 5730 106031	Units: %Re HighLimit 120 8015D: Gaso Units: %Re HighLimit 120 8015D: Gaso	c %RPD oline Rang c %RPD	RPDLimit e RPDLimit				
Client ID: Prep Date: Surr: BFB Sample ID Client ID: Prep Date: Analyte Surr: BFB Sample ID Client ID: Prep Date: Analyte	PBS 7/14/2016 LCS-26404 LCSS 7/14/2016 B32 PBS	Batch Analysis D Result 880 SampT Batch Analysis D SampT Batch Analysis D	ype: LC pQL ype: LC pQL ype: LC pQL pQL pQL ype: Mit pQL ype: Mit pQL ype: Mit pQL pQL pQL ype: LC pQL pQL pQL pQL pQL pQL pQL pQL pQL pQL	404 (15/2016 SPK value 1000 SS 404 (15/2016 SPK value 1000 BLK (5730 (15/2016	F SPK Ref Val Tes SPK Ref Val Tes F SPK Ref Val	RunNo: 3 SeqNo: 1 %REC 87.5 tCode: E RunNo: 3 SeqNo: 1 %REC 95.8 tCode: E RunNo: 3 SeqNo: 1	5730 105939 LowLimit 80 PA Method 5730 105940 LowLimit 80 PA Method 5730 106031	Units: %Re HighLimit 120 8015D: Gaso Units: %Re HighLimit 120 8015D: Gaso Units: mg/M	c %RPD Mine Rang c %RPD Mine Rang	RPDLimit e RPDLimit e	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
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank Ε
 - 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 6 of 7

Hall Environmental Analysis Laboratory, Inc.

Client:	Williams	Field Serv	vices	_									
Project:	Later 20 I	Line Leak											
Sample ID	5ML RB	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles				
Client ID:	PBS		DID: B3		RunNo: 35730								
	100						-						
Prep Date:		Analysis D	ate: 11	15/2016		SeqNo: 1	105946	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		ND	0.025										
Ethylbenzene		ND	0.050										
Xylenes, Total		ND	0.10										
Surr: 4-Bron	nofluorobenzene	0.83		1.000		83.5	80	120					
Sample ID 100NG BTEX LCS SampType: LCS TestCode: EPA Method 8021B: Volatiles													
Client ID:	LCSS	Batch	D: B3	5730	, F	RunNo: 3	5730						
Prep Date:	Analysis Date: 7/15/2016				5	SeqNo: 1105947 Units: mg/Kg							
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		1.1	0.025	1.000	0	105	75.3	123					
Ethylbenzene		0.95	0.050	1.000	0	94.8	82.8	121					
Xylenes, Total		2.8	0.10	3.000	0	95.0	83.9	122					
Surr: 4-Bron	nofluorobenzene	1.1		1.000		105	80	120					
Sample ID	5ML RB	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles				
Client ID:	PBS	Batch	1D: A3	5745	F	RunNo: 3	5745						
Prep Date:		Analysis D	ate: 7/	16/2016	5	SeqNo: 1	106018	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Toluene		ND	0.050										
Surr: 4-Bron	nofluorobenzene	0.95		1.000		95.3	80	120					
Sample ID	100NG BTEX LCS	SampT	ype: LC	S	Tes	tCode: E	PA Method	8021B: Volat	iles				
Client ID:	LCSS		DID: A3		F	RunNo: 3	5745						
Prep Date:		Analysis D				SeqNo: 1		Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

0

97.1

102

80

80

124

120

Page 7 of 7

Qualifiers:

Toluene

Surr: 4-Bromofluorobenzene

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

0.050

1.000

1.000

0.97

1.0

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

1607691

WO#:

18-Jul-16

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

4 X 1

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

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI Work Order Numbe	r: 1607691		RcptNo: 1
Received by/date: 07115116			
Logged By: Lindsay Mangin 7/15/2016 7:50:00 AN	1	Julythigo	
Completed By: Lindsay Mangin 7/15/2016 8:13:22 AM	1	Author	
Reviewed By: 07/15/16			
Chain of Custody			
1. Custody seals intact on sample bottles?	Yes	No 🗌	Not Present 🗹
2. Is Chain of Custody complete?	Yes 🗹	No 🗔	Not Present
3. How was the sample delivered?	Courier		
Log In			
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌	
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗔	
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆	
9. Was preservative added to bottles?	Yes	No 🗹	
10.VOA vials have zero headspace?	Yes 🗌	No 🗌	No VOA Vials
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?
14. Is it clear what analyses were requested?	Yes 🗹	No 🗌	
15. Were all holding times able to be met? (if no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by:
Special Handling (if applicable)			

16. Was client notified of all dis	crepancies with this order?		Yes		No 🗌	NA 🗹
Person Notified: By Whom:		ate ia:	eMail	Phone	Fax	In Person
Regarding: Client Instructions:						

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes	1		

Page 1 of 1

If necessary, samples submitted to Hall En	te: Time: Relinquished by:							14/16 12-55 Soil Let Hom	1/1/ 1250 Soil Siden	Date Time Matrix Sample	EDD (Type)	NELAP D Other		VQC Package:	2	32-4	Bloomfield um 87	ailing Address: 188 CK 4900		ient WFS	Chain-of-Custody Record
Received by: Received by Received by Rece	las 1							20mps: He	all compsite	Sample Request ID			Level 4 (Full Validation)		Morn's Quillions- 164	30	87413				Record
a fr	Received by:							1-402	1-402	Container Type and #	Sample Temperature:	Sampler: <i>Morsev</i>	mitch n		Project Manager:		Project #:		Project Name: H-20	□ Standard	Turn-Around Time:
redited laboratories.	Whet					3		Cool	(ob!	Preservative Type	erature: 1.4		10		ler:				1-20 Y	12 Rush	
	7/14/16 150							-002	-001	HEAL NO.		Killi av							Line Leak	7-15-16	Supe de Y
possibility. Any sub-contracted data will be clearly notated on the analytical report.	Remarks:			_				>	×	BTEX + MT	_	_		_	-						
ity. An	arks:		+	-	+		_	×	X	BTEX + MT	-		-				Tel.	4901			
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ontrac			+	+	+	-	-	-	F	EDB (Metho				_			Tel. 505-345-3975	vkins	W	2	Ĩ
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a will be										RCRA 8 Me				,		Anal			www.hallenvironmental.com	LYSIS	Π
e clearl										Anions (F,C	I,NO	D ₃ ,NO	2,PC	04,S	04)	ysis	Fax 505-345-4107	upuc	ironi		2
y notal										8081 Pestic	ides	808 / 808	2 P(CB's	3	Req	505-	erque	ment		
led on										8260B (VO	A)					uest	345-	B, NA	al.co	2	õ
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			-	-	+	-			\vdash						_					B	2
						-				Air Bubbles	(Y (or N)									

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

4

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.

C

Release Notification and Corrective Action

	OPERATOR	\boxtimes	Initial Report	Final Report
Name of Company Williams Four Corners LLC	Contact Matt Webre			
Address 1755 Arroyo Drive, Bloomfield, NM 87413	Telephone No. 505-632-4442			
Facility Name 32-8 #2	Facility Type Compressor Stat	ion		
	\$¥1			

Surface Owner Private	Mineral Owner NA	API No. NA

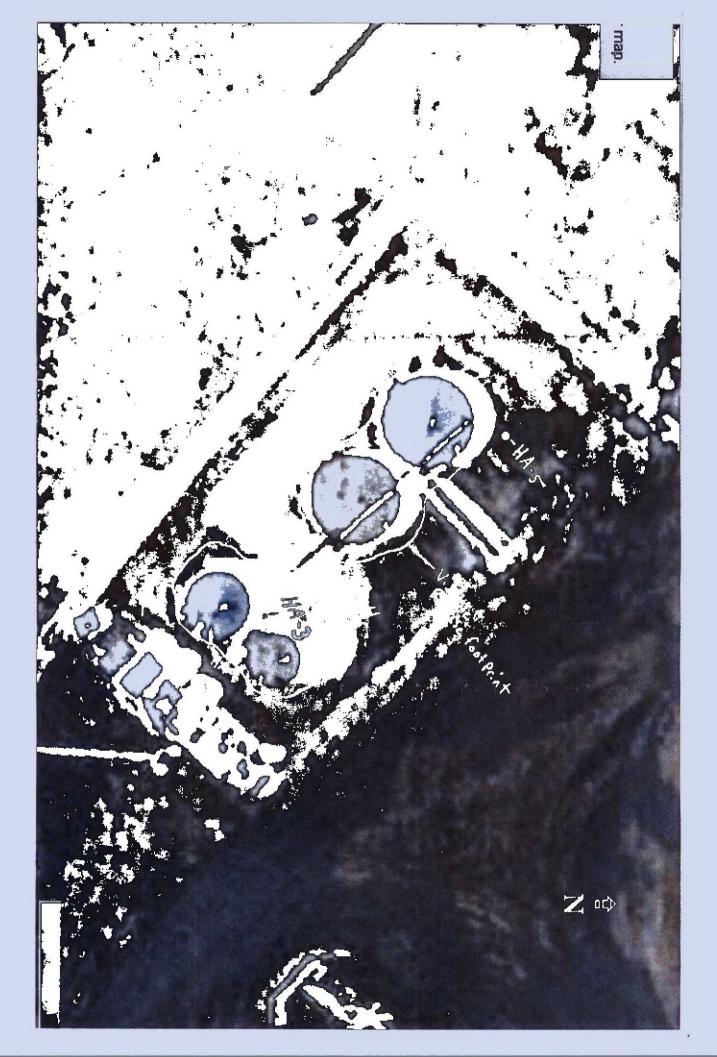
LOCATION OF RELEASE

Unit Letter S J	Section 27	Township 32N	Range 8W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan	
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Latitude 36.956845 Longitude -107.663938

NATURE OF RELEASE

Type of Release Lube Oil	Volume of Release 500 gallons	Volume Recovered 0 gallons						
Source of Release Tank Sight Glass	Date and Hour of Occurrence	Date and Hour of Discovery						
	08/01/2016, 08:00 AM	08/01/2016, 08:00 AM						
Was Immediate Notice Given?	If YES, To Whom?							
By Whom?	Date and Hour							
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	OIL CONS. DIV DIG						
If a Watercourse was Impacted, Describe Fully.*		SEP 15 2016						
Describe Cause of Problem and Remedial Action Taken.* A sight glass broke on a bulk lube oil storage tank. The lube oil was contained within the secondary containment area. The containment is unlined. The initial reported release volume was reported to be below 5 bbls. An investigation was performed by LT Environmental on August 18, 2016. Following completion of the investigation, it was determined that the volume of lube oil released was approximately 500 gallons. The cause of the sight glass break is unknown.								
Describe Area Affected and Cleanup Action Taken.* The attached figure documents the extent of the visible lube oil impacts during completion of the investigation. Seven hand auger borings (HA-1 through HA-7) were completed to evaluate the extent of impacts. It appears that heavy precipitation events following the release may have contributed to further migration of visible lube oil impacts within containment. The hand auger borings indicated the presence of a clay layer 19-inches below the containment floor that was non-impacted (impacts observed in soils above 19-inches). Remediation activities will be completed in the future to remove impacted soils from the containment. Confirmation soil samples from the excavation floor and sidewalls will be collected to demonstrate cleanup concentrations are achieved.								
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.								
This	OIL CONSERV	ATION DIVISION						
Signature: Printed Name: Matt Webre	Approved by Environmental Specialis	Jan 25						
Title: Environmental Specialist	Approval Date: 9 21 2016	Expiration Date:						
E-mail Address: matt.webre@williams.com	Conditions of Approval:	Attached						
Date: 9/8/2016 Phone: 505-632-4442	NCS162605336	5						
Attach Additional Sheets If Necessary	Sample Aroa TRA	H BTEX						
	inclu	de M20						



Webre, Matt

From:	Webre, Matt
Sent:	Friday, August 19, 2016 3:51 PM
To:	Jackson, Steve; Sandoval, Monica; Price, Andy
Subject:	FW: 32-8 #2 subsurface investigation summary
Attachments:	32-8 2 COC.PDF; HA-2 SE looking NW.JPG; 32-8 #2 MAP.PDF; 32-8 #2 N looking S.JPG;
	32-8 #2 N looking S_2.jpg; 32-8 #2 NW looking SE.JPG; 32-8 #2 NW looking SE_2.jpg;
	32-8 #2 SW looking NEJPG; HA-1 SE looking NWJPG

From: Devin Hencmann [mailto:dhencmann@ltenv.com] Sent: Friday, August 19, 2016 11:52 AM To: Webre, Matt <Matt.Webre@Williams.com> Cc: Brooke Herb <bherb@ltenv.com> Subject: 32-8 #2 subsurface investigation summary

Matt,

This email is a summary of the findings at the 32-8 #2 on 8/18/2016.

Seven handauger boreholes were conducted.

One waste profile sample was collected and submitted to Hall Analytical to be analyzed for TCLP Metals, and paint filter, 1-week turnaround (see attached COC).

I have attached a hand drawn map and photos to reference.

No OVM readings above 5ppm were observed. Visual and Odor observations were used to assess impacted soil.

Handauger summary:

HA-1 TD=24 inches

0"-14" bgs Gravel 14"- 24" bgs Silty Clay, Med placticity Lube oil impacted soil was observed from 0" - 19" bgs Clay from 19" – 24" bgs did not appear impacted

HA-2 TD=24 inches

0"-14" bgs Gravel 14"- 24" bgs Silty Clay, Med placticity Lube oil impacted soil was observed from 0" - 19" bgs Clay from 19" - 24" bgs did not appear impacted

HA-3 TD=24 inches

San Mary San

0"-14" bgs Gravel 14"- 24" bgs Silty Clay, Med placticity Lube oil impacted soil was observed from 0" - 19"

1

Laboration and

Clay from 19" - 24" bgs did not appear impacted

HA-4 TD=20 inches

4

0"-12" bgs Sandy Silt (sediment that has washed into BGT containment) 12"- 20" bgs Gravel Impacted soil observed from 0"-20" bgs Standing liquid encountered at 12"- 20" bgs (mix of oil and water) Liquid consisted of almost entirely lube oil.

HA-5 TD=20 inches

0"-12" bgs Sandy Silt (sediment that has washed into BGT containment) 12"- 20" bgs Gravel Impacted soil observed from 12"-20" bgs Standing liquid encountered at 12" bgs (mix of oil and water) Liquid contained more rain water than oil

HA-6 TD=30 inches

0"-12" bgs Sandy Silt (sediment that has washed into BGT containment) 12"- 24" bgs Gravel 24"- 30" bgs Silty Clay, Med placticity Impacted soil observed 12"- 26" bgs Standing liquid encountered 12"- 24" bgs (mix of water and oil) Liquid contained more rain water than oil Clay did not appear saturated at 30"

HA-7 TD=9 feet

0" - 6" bgs silty sand 6" - 9' bgs Clay to silty clay, med to high placticity No impact was observed from 0" - 9' bgs 9' bgs in this location is approximately 24" below the bottom of the BGT containment

Let me know if you have any questions or if you would like a summary in a different format. I also have more photos if you would like to see any of them let me know.

Thank you, Devin Hencmann

Devin Hencmann Project Geologist



COMPLIANCE / ENGINEERING / REMEDIATION LT Environmental, Inc. 848 East 2nd Avenue Durango, CO 81301 (970) 385-1096 office (970) 403-6023 cell (303) 433-1432 fax www.ltenv.com dhencmann@ltenv.com



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cFi. W. C

1

Please consider the environment before printing this e-mail.

1 Stan Harrison

District I

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action

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

		OPERA	FOR		Initial Report	Final Report
Name of Company Williams Four Corners LL	Contact	Michael Hannan				
Address 1755 Arroyo Dr, Bloomfield, NM	87413	Telephone 1	No. 505-632-4807			
Facility Name El Cedro		Facility Typ	e Compressor Station	n		
Surface Owner Joseph, Dennis, George, Armando, Henry Espinosa	Mineral Owner			A	PI No.	
	LOCATIO	ON OF RE	LEASE			

Unit Letter C	Section 31	Township 29N	Range 5W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba

Latitude <u>36.687253° N</u> Longitude -<u>107.401956° W</u>

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 100 gals	Volume Recovered 100 gals
Source of Release Tank	Date and Hour of Occurrence	Date and Hour of Discovery
	9/11/2016 11:00 P.M.	9/11/2016 11:00 P.M.
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🗌 No 🗌 Not Required	Cory Smith, NMOCD	
By Whom? Michael Hannan	Date and Hour 9/12/2016 4:30 PM	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	rcourse.
🗌 Yes 🖾 No		OIL CONS. DIV DIST. 3
If a Watercourse was Impacted, Describe Fully.*		0.0016
Not Applicable		SEP 1 9 2016
Describe Cause of Problem and Remedial Action Taken.*		
Williams Operations personnel responded to a call out from gas control th	at the facility's compressors had gone	down When the Operations Technician
arrived onsite, he observed that the storage tank had been involved in an e		
the concrete secondary containment. Williams personnel are in the process		a the tank and removed the riquids from
ine concrete secondary containing in mains personner are in the process	or provening a reoccurrence.	
Describe Area Affected and Cleanup Action Taken.*		_
Produced water removed from secondary containment. The secondary con	tainment was visually inspected for sig	gns of structural damage and no damage
was observed.		
I hereby certify that the information given above is true and complete to the	e best of my knowledge and understar	d that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release no		
public health or the environment. The acceptance of a C-141 report by the		
should their operations have failed to adequately investigate and remediate	e contamination that pose a threat to gr	ound water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report de	bes not relieve the operator of responsi	bility for compliance with any other
federal, state, or local laws and/or regulations.		
Signature:	OIL CONSERV	ATION DIVISION
Signature		
Printed Name: Michael Hannan		
Thinky Funder Franklin	Approved by Environmental Specialist	anda
Tide Engineer Se		Production Dates
Title: Engineer, Sr.	Approval Date: Date Date I	Expiration Date:
E-mail Address: michael.hannan@williams.com	Conditions of Approval:	
a man resters. Interneting the state of the		Attached
Date: 9/15/16 Phone: 505-632-4807	NCS16260533	65

* Attach Additional Sheets If Necessary

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action OPERATOR Initial Report Final Report Name of Company: Williams Four Corners LLC Contact: Michael Hannan Address: 1755 Arroyo Dr., Bloomfield, NM 87413 Telephone No.: (505) 632-4807 Facility Name: Trunk L Facility Type: Compressor Station Surface Owner: BLM Mineral Owner API No. LOCATION OF RELEASE Feet from the North/South Line Feet from the Unit Letter Section Township Range East/West Line County P 21 & 22 28N 5W **Rio** Arriba Latitude 36.643012° N Longitude -107.354571° W NATURE OF RELEASE Type of Release: Natural Gas Volume of Release: 3,332 MCF Volume Recovered: 0 MCF Natural gas Natural Gas Source of Release: Pressure Relief Valve Date and Hour of Occurrence: Date and Hour of Discovery: 09/12/2016 5:30 PM 9/12/2016 7:15 PM Was Immediate Notice Given? If YES, To Whom? Yes No Not Required NMOCD, Corv Smith BLM, Katherina Diemer By Whom? Michael Hannan Date and Hour: 9/13/2016 at 12:30 PM Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. Yes No OIL CONS. DIV DIST. 3 If a Watercourse was Impacted, Describe Fully.* Not Applicable SEP 1 9 2016 Describe Cause of Problem and Remedial Action Taken.* Williams had a release of approximately 3,332 MCF of natural gas at the Trunk L Compressor Station from a pressure relief valve. The initial release was the result of overpressure due to the Ignacio plant being down, causing the pressure relief valve to open. After the initial release, the union came uncoupled from the pressure relief valve inlet piping, allowing continued release of gas. Personnel immediately shut in the suction to the affected compressor to prevent further gas loss. A contractor was engaged to test the pressure relief valve and return it to proper working condition. Williams personnel are in the process of preventing a reoccurrence. Describe Area Affected and Cleanup Action Taken.* No clean-up required for natural gas release. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. **OIL CONSERVATION DIVISION** Signature: Approved by Environmental Specialist: Printed Name: Michael Hannan Title: Engineer, Sr. Approval Date: **Expiration Date:** E-mail Address: michael.hannan@williams.com Conditions of Approval: Attached Date: 09/14/2016 Phone: (505) 632-4807

* Attach Additional Sheets If Necessary

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

.

State of New Mexico Energy Minerals and Natural Resources

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

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

Release Notification and Corrective Action

	OPERATOR	Initial Report	Final Report
Name of Company Williams Four Corners LLC	Contact Kijun Hong		
Address 1755 Arroyo Drive, Bloomfield, NM 87413	Telephone No. 505-632-4475		
Facility Name 30-5 CDP	Facility Type Compressor Sta	tion	

Surface Owner Private	Mineral Owner	API No.
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LOCATION OF RELEASE

Unit Letter L	Section 18	Township 30N	Range 5W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude 36.811634 Longitude -107.403965

NATURE OF RELEASE

Type of Release Natural Gas and Produced Water	Volume of Release 1225.3 MCF natural gas; 3 gallons produced water	Volume Recovered 0		
Source of Release Facility Pressure Safety Valve (PSV)	Date and Hour of Occurrence 9/12/2016, 9:18 AM MST	Date and Hour of Discovery 9/12/2016, 9:18 AM MST		
Was Immediate Notice Given?	If YES, To Whom? Cory Smith was notified via telephone OIL CONS. DIV			
By Whom? Kijun Hong	Date and Hour 9/13/2016 @ 8:17	am		
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse. SEP 3 0 201 Not Applicable			
If a Watercourse was Impacted, Describe Fully.*	1			
Describe Cause of Problem and Remedial Action Taken.* Downstream facility was shut in due to lightning strike causing press releasing natural gas and produced water mist. Affected soil from mis		his caused the PSV to activate as designed,		
Describe Area Affected and Cleanup Action Taken.* The mist from the PSV impacted roughly 200ft to the fence line and 1 remediated and a soil sample was collected. The analyses showing n attached.	e - Presidente de la construction d	 A second s		
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report do	otifications and perform corrective a NMOCD marked as "Final Report" e contamination that pose a threat to	ctions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health		

federal, state, or local laws and/or regulations.

Signature: 25 AD	OIL CONSERVATION)
Printed Name: Kijun Hong	Lanosat i	\leq
Title: Environmental Specialist	Approval Date: 10 26 2016 Expiration I	Date:
E-mail Address: Kijun.Hong@Williams.com Date: 09/26/2016 Phone: 505-632-4475	Conditions of Approval:	Attached

* Attach Additional Sheets If Necessary



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

September 22, 2016

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

RE: 30-5 CDP Spray Area Outside of Fence

OrderNo.: 1609719

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/14/2016 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1609719

Date Reported: 9/22/2016

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Williams Field Services

 Project:
 30-5 CDP Spray Area Outside of Fence

 Lab ID:
 1609719-001
 Matrix: SOIL

Client Sample ID: 30-5 CDP Compsite outside Collection Date: 9/13/2016 1:20:00 PM Received Date: 9/14/2016 7:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	ND	30	mg/Kg	20	9/19/2016 4:15:02 PM	27590
EPA METHOD 8015M/D: DIESEL RAM	GE ORGANIC	S			Analyst:	том
Diesel Range Organics (DRO)	ND	. 9.6	mg/Kg	1	9/20/2016 12:40:02 PM	27560
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/20/2016 12:40:02 PM	27560
Surr: DNOP	109	70-130	%Rec	1	9/20/2016 12:40:02 PM	27560
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/16/2016 3:02:04 PM	27431
Surr: BFB	77.9	68.3-144	%Rec	1	9/16/2016 3:02:04 PM	27431
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.025	mg/Kg	1	9/16/2016 3:02:04 PM	27431
Toluene	ND	0.050	mg/Kg	1	9/16/2016 3:02:04 PM	27431
Ethylbenzene	ND	0.050	mg/Kg	1	9/16/2016 3:02:04 PM	27431
Xylenes, Total	ND	0.099	mg/Kg	1	9/16/2016 3:02:04 PM	27431
Surr: 4-Bromofluorobenzene	90.8	80-120	%Rec	1	9/16/2016 3:02:04 PM	27431

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 1 of 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	w	Sample container temperature is out of limit as specified

2

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609719

22-Sep-16

Client: Project:		ams Field Servi CDP Spray Are		ide of Fend	æ	15 1						
Sample ID	MB-27590	SampTy			Tes	TestCode: EPA Method 300.0: Anions						
Client ID:	PBS	Batch	ID: 27	590	F	RunNo: 3	7316					
Prep Date:	9/19/2016	9/19/2016 Analysis Date: 9/19/2016 SeqNo: 1158856 Units: mg/Kg										
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		ND	<mark>1.5</mark>									
Sample ID	LCS-27590	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	300.0: Anion	s			
Client ID:	LCSS	Batch	ID: 27	590	F	RunNo: 3	7316					
Prep Date:	9/19/2016	Analysis Da	ate: 9/	19/2016	5	SeqNo: 1	158857	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		14	1.5	15.00	0	94.0	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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank -
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1609719

22-Sep-16

Client: Project:		Field Serv P Spray An		side of Fend	e						
Sample ID	LCS-27592	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 27	592	F	RunNo: 3	7319				
Prep Date:	9/20/2016	Analysis D	ate: 9/	20/2016	5	SeqNo: 1	159031	Units: %Re	c		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sur: DNOP		4.8		5.000		95.9	70	130			
Sample ID	MB-27592	SampT	ype: MI	BLK	Tes	tCode: EF	A Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 27	592	F	RunNo: 3	7319				
Prep Date:	9/20/2016	Analysis D	ate: 9/	20/2016	5	SeqNo: 1	159032	Units: %Re	c		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sur: DNOP		9.6	1 GLL	10.00	of Render var	96.4	70	130	ANT D	TV DEMIL	Gener
Sample ID	MB-27560	SampT	ype: ME	BLK	Tes	tCode: EF	A Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 27	560	F	RunNo: 3	7319		-		
Prep Date:	9/19/2016	Analysis D	ate: 9/	20/2016	5	SeqNo: 1	159369	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	Low imit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	ND	10	OF IX Value	OF ICINCI Val	AILEO	LOWLINI	riigriciiriit	ANT D	IN DEITIN	Guai
	e Organics (MRO)	ND	50								
Sur: DNOP		11		10.00		106	70	130			
Sample ID	LCS-27560	SampT	ype: LC	s	Tes	tCode: EF	A Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 27	560	F	RunNo: 37	7319				
Prep Date:	9/19/2016	Analysis D	ate: 9/	20/2016	S	SeqNo: 1	59425	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	55	10	50.00	0	110	62.6	124		I II MARTIN	
Sur: DNOP		4.6		5.000		91.7	70	130			
Sample ID	1609719-001AMS	SampT	ype: MS	8	Tes	tCode: EF	A Method	8015M/D: Die	esel Rang	e Organics	1.
Client ID:	30-5 CDP Comps	ite Batch	ID: 27	560	F	RunNo: 37	7319				
Prep Date:	9/19/2016	Analysis D	ate: 9/	20/2016	S	SeqNo: 11	159497	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	43	9.4	46.86	6.702	77.9	33.9	141			
Sur: DNOP		4.3		4.686		91.7	70	130			
Sample ID	1609719-001AMS	D SampT	ype: MS	SD	Tes	tCode: EF	A Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	30-5 CDP Comps	ite Batch	ID: 27	560	F	RunNo: 37	7319				
Prep Date:	9/19/2016	Analysis D	ate: 9/	20/2016	s	SeqNo: 1	59498	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (DRO)	2.4.5 mm Tel Tel Tel Tel	100 C	Contraction of the second s	senior retained Statistics	A CONTRACTOR OF A CONTRACTOR	Contraction of the second	and a second second A	THE PROPERTY AND A DESCRIPTION OF		Concentration of the second

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 3 of 6

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

W Sample container temperature is out of limit as specified

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Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Williams I 30-5 CDP			side of Fenc	e						
Sample ID	1609719-001AMSD	SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	30-5 CDP Compsite	Batch	1 ID: 27	560	F	RunNo: 3	87319				
Prep Date:	9/19/2016	Analysis D	ate: 9/	20/2016	S	SeqNo: 1	159498	Units: mg/K	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.1		4.907		104	70	130	0	0	

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
- RPD outside accepted recovery limits R
- 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

22-Sep-16

1609719

WO#:

Hall Environmental Analysis Laboratory, Inc.

840

	is Field Services DP Spray Area Outside of Fenc	e		
Sample ID MB-27431 Client ID: PBS	SampType: MBLK Batch ID: 27431	TestCode: EPA Method RunNo: 37249	8015D: Gasoline Range	
Prep Date: 9/15/2016	Analysis Date: 9/16/2016	SeqNo: 1157381	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 770 1000	76.5 68.3	144	. i
Sample ID LCS-27431	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	a 7
Client ID: LCSS	Batch ID: 27431	RunNo: 37249		
Prep Date: 9/15/2016	Analysis Date: 9/16/2016	SeqNo: 1157382	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	22 5.0 25.00	0 87.8 80	120	

83.8

68.3

144

1000

Qualifiers:

Surr: BFB

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

Page 5 of 6

WO#: 1609719

22-Sep-16

Hall Environmental Analysis Laboratory, Inc.

Client:	Williams	s Field Ser	vices										
Project:	30-5 CD	P Spray A	rea Outs	ide of Fend	e								
Sample ID	MB-27431	Samp	Type: MI	BLK	TestCode: EPA Method 8021B: Volatiles								
Client ID:	PBS	Batc	h ID: 27	431	F	RunNo: 37249							
Prep Date:	9/15/2016	Analysis I	Date: 9	16/2016	5	SegNo: 1	157397	Units: mg/k	a				
									-	DDDU	0.1		
Analyte Benzene		Result ND	PQL 0.025	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Toluene		ND	0.025										
Ethylbenzene		ND	0.050										
		ND	0.030										
Xylenes, Total			0.10	1 000		00.4	00	400					
Surr: 4-Brom	nofluorobenzene	0.90		1.000		90.4	80	120					
Sample ID	LCS-27431	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles				
Client ID:	LCSS	Batc	h ID: 27	431	F	RunNo: 3	7249						
Prep Date:	9/15/2016	Analysis [Date: 9/	16/2016	SeqNo: 1157398 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	75.3	123					
Toluene		0.93	0.050	1.000	0	93.4	80	124					
Ethylbenzene		0.95	0.050	1.000	0	94.9	82.8	121					
Xylenes, Total		2.8	0.10	3.000	0	93.9	83.9	122					
Surr: 4-Brom	nofluorobenzene	0.94		1.000		94.1	80	120					
Sample ID	1609719-001AMS	Jainp	1										
Sample ID Client ID:				30-5 CDP Compsite Batch ID: 27431									
	30-5 CDP Comps		h ID: 27			tunNo: 3 SeqNo: 1		Units: mg/k	g				
Client ID:	30-5 CDP Comps	ite Batc	h ID: 27	16/2016				Units: mg/k HighLimit	g %RPD	RPDLimit	Qual		
Client ID: Prep Date: Analyte	30-5 CDP Comps	Analysis [h ID: 27 Date: 9/	16/2016	s	eqNo: 1	157400		-	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene	30-5 CDP Comps	ite Batc Analysis I Result	h ID: 27 Date: 9/ PQL	16/2016 SPK value	SPK Ref Val	eqNo: 1 %REC	157400 LowLimit	HighLimit	-	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene	30-5 CDP Comps	ite Batc Analysis I Result 0.74	h ID: 27 Date: 9/ PQL 0.024	16/2016 SPK value 0.9681	SPK Ref Val	eqNo: 1 %REC 76.6	157400 LowLimit 71.5	HighLimit 122	-	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene	30-5 CDP Comps 9/15/2016	ite Batc Analysis I Result 0.74 0.88	h ID: 27 Date: 9/ PQL 0.024 0.048	16/2016 SPK value 0.9681 0.9681	SPK Ref Val 0 0	eqNo: 1 %REC 76.6 90.8	LowLimit 71.5 71.2	HighLimit 122 123	-	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	30-5 CDP Comps 9/15/2016	Analysis I Result 0.74 0.88 0.97	h ID: 27 Date: 9/ PQL 0.024 0.048 0.048	16/2016 SPK value 0.9681 0.9681 0.9681	SPK Ref Val 0 0 0	eqNo: 1 %REC 76.6 90.8 100	157400 LowLimit 71.5 71.2 75.2	HighLimit 122 123 130	-	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Sur: 4-Brom	30-5 CDP Comps 9/15/2016	ite Batc Analysis I Result 0.74 0.88 0.97 2.9 0.94	h ID: 27 Date: 9/ PQL 0.024 0.048 0.048	16/2016 SPK value 0.9681 0.9681 0.9681 2.904 0.9681	SPK Ref Val 0 0 0 0 0	SeqNo: 1 %REC 76.6 90.8 100 101 96.6	LowLimit 71.5 71.2 75.2 72.4 80	HighLimit 122 123 130 131	%RPD	RPDLimit	Qual		
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Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID:	30-5 CDP Comps 9/15/2016 nofluorobenzene 1609719-001AMS	Analysis D Result 0.74 0.88 0.97 2.9 0.94	h ID: 27 Date: 9/ PQL 0.024 0.048 0.048 0.097 Type: MS h ID: 27	16/2016 SPK value 0.9681 0.9681 0.9681 2.904 0.9681 0.9681	SPK Ref Val 0 0 0 0 0 0 Tes F	SeqNo: 1 %REC 76.6 90.8 100 101 96.6 Code: El	157400 LowLimit 71.5 71.2 75.2 72.4 80 PA Method 7249	HighLimit 122 123 130 131 120	%RPD	RPDLimit	Qual		
Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID:	30-5 CDP Comps 9/15/2016 nofluorobenzene 1609719-001AMS 30-5 CDP Comps	ite Batc Analysis I Result 0.74 0.88 0.97 2.9 0.94 D Samp ite Batc	h ID: 27 Date: 9/ PQL 0.024 0.048 0.048 0.097 Type: MS h ID: 27	16/2016 SPK value 0.9681 0.9681 0.9681 2.904 0.9681 0.9681 5D 431 16/2016	SPK Ref Val 0 0 0 0 0 0 Tes F	SeqNo: 1 %REC 76.6 90.8 100 101 96.6 Code: El tunNo: 3	157400 LowLimit 71.5 71.2 75.2 72.4 80 PA Method 7249	HighLimit 122 123 130 131 120 8021B: Volat	%RPD	RPDLimit	Qual		
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Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Sur: 4-Brom Sample ID Client ID: Prep Date:	30-5 CDP Comps 9/15/2016 nofluorobenzene 1609719-001AMS 30-5 CDP Comps	ite Batc Analysis I Result 0.74 0.88 0.97 2.9 0.94 Samp ite Batc Analysis I Result 0.94 O	h ID: 27 Date: 9/ PQL 0.024 0.048 0.048 0.048 0.097 Type: MS h ID: 27 Date: 9/ PQL 0.023 0.047	16/2016 SPK value 0.9681 0.9681 2.904 0.9681 2.904 0.9681 60 431 16/2016 SPK value 0.9328 0.9328	SPK Ref Val 0 0 0 0 0 0 0 5 SPK Ref Val 0 0 0	SeqNo: 1 %REC 76.6 90.8 100 101 96.6 Code: El cunNo: 3 SeqNo: 1 %REC 94.5 99.1	157400 LowLimit 71.5 71.2 75.2 72.4 80 PA Method 7249 157401 LowLimit 71.5 71.2 72.4 80	HighLimit 122 123 130 131 120 8021B: Volat Units: mg/K HighLimit 122 123	%RPD tiles 5g %RPD 17.3 5.03	RPDLimit 20 20			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- 8 % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 6 of 6

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

WO#: 1609719

22-Sep-16

		107 com	-	neck List
Client Name: WILLIAMS FIELD SERVI Work Order Number	er: 1609719		ReptNo:	1
Received by/date: Ar U9114/16				
Logged By: Anne Thorne 9/14/2016 7:30:00 Al	м	Anne Im	-	
Completed By: Anne Thorne 9/14/2016		anne Im	-	
Reviewed By: JC age JC on 14/110				
Chain of Custody				
1. Custody seals intact on sample bottles?	Yes 🗌	No .	Not Present	
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?	Courier			
Log In				
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌		
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌		
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆	_	
9. Was preservative added to bottles?	Yes	No 🗹	NA 🗆	
10.VOA vials have zero headspace?	Yes	No 🗔	No VOA Vials 🗹	
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved	
12. Does paperwork match bottle labels?	Yes 🗹	No 🗔	bottles checked for pH:	>12 unless noted)
(Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	-12 011635 110(60)
14. Is it clear what analyses were requested?	Yes V	No 🗆		
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗀	Checked by:	
Special Handling (if applicable)				
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗆	NA 🗹	
Person Notified: Date Date Via:	eMail [] f	Phone 🗌 Fax	In Person	
Regarding: Client Instructions:				
17. Additional remarks:	7			
18. <u>Cooler Information</u> <u>Cooler No</u> Temp °C Condition Seal Intact Seal No 1 1.2 Good Yes	Seal Date	Signed By		
Page 1 of 1				

C	hain	of-Cu	stody Record	Turn-Around	Time:						H			FI	V	TE	20		ME	NT		l.
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Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	нел 11079	NL NO 719	BTEX + MTBE	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	ch			Air Bubbles (Y or N)
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	f necessar,	samples sub	mitted to Hall Environmental may be subo	contracted to other a	ccredited laboratori	es. This serve	s as notice of thi	s possi	bility.	Any st	ub-cont	tracted	data	will be	clear	ly note	ated or	n the a	nalytic	al repo	urt.	