

3R-1014

**Release Report/ General
Correspondence**

Williams RA

Date: Jul-Sep 2015

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

SEP 14 2015

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: Williams Four Corners LLC	Contact: Kelsey Christiansen
Address: 188 CR 4900, Bloomfield, NM 87413	Telephone No.: (505) 632-4606
Facility Name: Jicarilla B6E Inlet Pipeline	Facility Type: Pipeline
Surface Owner: Jicarilla Apache Nation	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
C	22	26N	5W					Rio Arriba

Latitude 36.47596° N Longitude -107.35086° W

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 692 MCF Natural Gas	Volume Recovered: 0 MCF Natural gas
Source of Release: Pinhole	Date and Hour of Occurrence: Estimated 08/18/15	Date and Hour of Discovery: 09/01/15 at 10:00 AM MST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly, NMOCD Bryce Hammond, Jicarilla Oil and Gas	
By Whom? Kelsey Christiansen	Date and Hour: ASAP on 09/09/15 at 04:00 PM MST	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

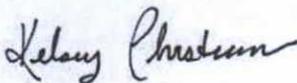
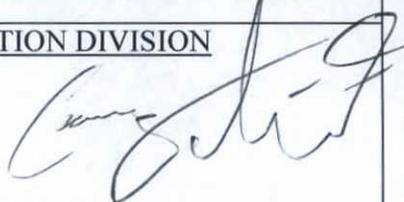
If a Watercourse was Impacted, Describe Fully.*
Not Applicable

Describe Cause of Problem and Remedial Action Taken.*
On September 1, 2015 Williams personnel discovered a suspected pinhole leak on the Jicarilla B6E Pipeline which caused the release of natural gas. Once repairs and excavation was complete the gas loss was calculated to be approximately 692 MCF natural gas. Confirmation soil samples were collected to insure cleanup standards are met and the results are attached.

Describe Area Affected and Cleanup Action Taken.*
Remediation activities will take place in direct coordination with the Jicarilla Apache Tribe.

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.

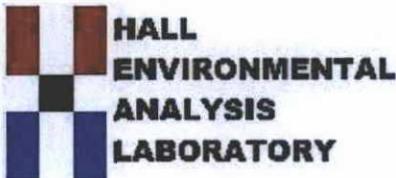
OIL CONSERVATION DIVISION

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Kelsey Christiansen	Approval Date: 10/21/15	Expiration Date:
Title: Environmental Specialist	Conditions of Approval:	
E-mail Address: kelsey.christiansen@williams.com	Attached <input type="checkbox"/>	
Date: 09/10/15 Phone: (505) 632-4606		

* Attach Additional Sheets If Necessary

#NCS 1529449029

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

September 09, 2015

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

RE: Jic B #1 Line Leak

OrderNo.: 1509131

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/3/2015 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1509131

Date Reported: 9/9/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Jic B #1 bottom Compositte

Project: Jic B #1 Line Leak

Collection Date: 9/2/2015 1:40:00 PM

Lab ID: 1509131-001

Matrix: SOIL

Received Date: 9/3/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH							
Petroleum Hydrocarbons, TR	ND	19		mg/Kg	1	9/8/2015	21151
Analyst: TOM							
EPA METHOD 300.0: ANIONS							
Chloride	ND	30		mg/Kg	20	9/8/2015 6:39:37 PM	21182
Analyst: LGT							
EPA METHOD 8015D MOD: GASOLINE RANGE							
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/4/2015 4:07:48 PM	21127
Surr: BFB	108	70-130		%REC	1	9/4/2015 4:07:48 PM	21127
Analyst: DJF							
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/4/2015 3:05:16 PM	21121
Surr: DNOP	105	57.9-140		%REC	1	9/4/2015 3:05:16 PM	21121
Analyst: JME							
EPA METHOD 8260B: VOLATILES SHORT LIST							
Benzene	0.050	0.049		mg/Kg	1	9/4/2015 4:07:48 PM	21127
Toluene	0.11	0.049		mg/Kg	1	9/4/2015 4:07:48 PM	21127
Ethylbenzene	ND	0.049		mg/Kg	1	9/4/2015 4:07:48 PM	21127
Xylenes, Total	0.12	0.097		mg/Kg	1	9/4/2015 4:07:48 PM	21127
Surr: 1,2-Dichloroethane-d4	101	70-130		%REC	1	9/4/2015 4:07:48 PM	21127
Surr: 4-Bromofluorobenzene	96.4	70-130		%REC	1	9/4/2015 4:07:48 PM	21127
Surr: Dibromofluoromethane	112	70-130		%REC	1	9/4/2015 4:07:48 PM	21127
Surr: Toluene-d8	96.4	70-130		%REC	1	9/4/2015 4:07:48 PM	21127

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	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	

Analytical Report

Lab Order 1509131

Date Reported: 9/9/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Williams Field Services

Client Sample ID: Jic B #1 Sidewall Compsite

Project: Jic B #1 Line Leak

Collection Date: 9/2/2015 1:50:00 PM

Lab ID: 1509131-002

Matrix: SOIL

Received Date: 9/3/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH Analyst: TOM							
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	9/8/2015	21151
EPA METHOD 300.0: ANIONS Analyst: LGT							
Chloride	ND	30		mg/Kg	20	9/8/2015 6:52:02 PM	21182
EPA METHOD 8015D MOD: GASOLINE RANGE Analyst: DJF							
Gasoline Range Organics (GRO)	9.4	4.9		mg/Kg	1	9/4/2015 5:30:04 PM	21127
Surr: BFB	104	70-130		%REC	1	9/4/2015 5:30:04 PM	21127
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: JME							
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/4/2015 3:32:30 PM	21121
Surr: DNOP	106	57.9-140		%REC	1	9/4/2015 3:32:30 PM	21121
EPA METHOD 8260B: VOLATILES SHORT LIST Analyst: DJF							
Benzene	ND	0.049		mg/Kg	1	9/4/2015 5:30:04 PM	21127
Toluene	ND	0.049		mg/Kg	1	9/4/2015 5:30:04 PM	21127
Ethylbenzene	ND	0.049		mg/Kg	1	9/4/2015 5:30:04 PM	21127
Xylenes, Total	0.11	0.098		mg/Kg	1	9/4/2015 5:30:04 PM	21127
Surr: 1,2-Dichloroethane-d4	99.2	70-130		%REC	1	9/4/2015 5:30:04 PM	21127
Surr: 4-Bromofluorobenzene	89.7	70-130		%REC	1	9/4/2015 5:30:04 PM	21127
Surr: Dibromofluoromethane	108	70-130		%REC	1	9/4/2015 5:30:04 PM	21127
Surr: Toluene-d8	93.6	70-130		%REC	1	9/4/2015 5:30:04 PM	21127

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Value above quantitation range
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	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	

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1509131
 09-Sep-15

Client: Williams Field Services
Project: Jic B #1 Line Leak

Sample ID MB-21182	SampType: MBLK		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 21182		RunNo: 28712							
Prep Date: 9/8/2015	Analysis Date: 9/8/2015		SeqNo: 870259		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID LCS-21182	SampType: LCS		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 21182		RunNo: 28712							
Prep Date: 9/8/2015	Analysis Date: 9/8/2015		SeqNo: 870260		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1509131
 09-Sep-15

Client: Williams Field Services
Project: Jic B #1 Line Leak

Sample ID MB-21151	SampType: MBLK		TestCode: EPA Method 418.1: TPH							
Client ID: PBS	Batch ID: 21151		RunNo: 28697							
Prep Date: 9/4/2015	Analysis Date: 9/8/2015		SeqNo: 869534				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-21151	SampType: LCS		TestCode: EPA Method 418.1: TPH							
Client ID: LCSS	Batch ID: 21151		RunNo: 28697							
Prep Date: 9/4/2015	Analysis Date: 9/8/2015		SeqNo: 869535				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	110	83.6	116			

Sample ID LCSD-21151	SampType: LCSD		TestCode: EPA Method 418.1: TPH							
Client ID: LCSS02	Batch ID: 21151		RunNo: 28697							
Prep Date: 9/4/2015	Analysis Date: 9/8/2015		SeqNo: 869536				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	113	83.6	116	2.49	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1509131
 09-Sep-15

Client: Williams Field Services
Project: Jic B #1 Line Leak

Sample ID MB-21121	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 21121		RunNo: 28657							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 868052				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		105	57.9	140			

Sample ID LCS-21121	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 21121		RunNo: 28657							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 868053				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.9	57.4	139			
Surr: DNOP	5.0		5.000		99.7	57.9	140			

Sample ID MB-21123	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 21123		RunNo: 28658							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 868356				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		99.5	57.9	140			

Sample ID LCS-21123	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 21123		RunNo: 28658							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 868359				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		102	57.9	140			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1509131

09-Sep-15

Client: Williams Field Services
Project: Jic B #1 Line Leak

Sample ID	SampType: MBLK		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID:	Batch ID: 21127		RunNo: 28679							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 868766		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		102	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.9	70	130			
Surr: Dibromofluoromethane	0.60		0.5000		121	70	130			
Surr: Toluene-d8	0.49		0.5000		98.3	70	130			

Sample ID	SampType: LCS		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: LCSS	Batch ID: 21127		RunNo: 28679							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 868768		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	111	70	130			
Toluene	0.98	0.050	1.000	0	98.4	70	130			
Ethylbenzene	1.0	0.050	1.000	0	100	70	130			
Xylenes, Total	3.0	0.10	3.000	0	99.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.44		0.5000		88.8	70	130			
Surr: Dibromofluoromethane	0.60		0.5000		119	70	130			
Surr: Toluene-d8	0.48		0.5000		95.7	70	130			

Sample ID	SampType: MS		TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: Jic B #1 Sidewall C	Batch ID: 21127		RunNo: 28679							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 869015		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9843	0	114	70	130			
Toluene	1.0	0.049	0.9843	0	106	70	130			
Ethylbenzene	1.1	0.049	0.9843	0	111	70	130			
Xylenes, Total	3.3	0.098	2.953	0.1085	110	70	130			
Surr: 1,2-Dichloroethane-d4	0.47		0.4921		96.3	70	130			
Surr: 4-Bromofluorobenzene	0.45		0.4921		91.8	70	130			
Surr: Dibromofluoromethane	0.56		0.4921		115	70	130			
Surr: Toluene-d8	0.45		0.4921		91.6	70	130			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1509131

09-Sep-15

Client: Williams Field Services

Project: Jic B #1 Line Leak

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.049	0.9756	0	114	70	130	1.19	20	
Toluene	1.1	0.049	0.9756	0	111	70	130	4.33	20	
Ethylbenzene	1.1	0.049	0.9756	0	114	70	130	1.73	0	
Xylenes, Total	3.5	0.098	2.927	0.1085	115	70	130	3.62	0	
Surr: 1,2-Dichloroethane-d4	0.52		0.4878		106	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.41		0.4878		84.9	70	130	0	0	
Surr: Dibromofluoromethane	0.55		0.4878		113	70	130	0	0	
Surr: Toluene-d8	0.48		0.4878		98.0	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1509131

09-Sep-15

Client: Williams Field Services

Project: Jic B #1 Line Leak

Sample ID mb-21127	SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: 21127		RunNo: 28679							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 869145		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	570		500.0		115	70	130			

Sample ID lcs-21127	SampType: LCS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch ID: 21127		RunNo: 28679							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 869146		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	5.0	25.00	0	71.6	70	123			
Surr: BFB	500		500.0		99.7	70	130			

Sample ID 1509131-001ams	SampType: MS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: Jic B #1 bottom Co	Batch ID: 21127		RunNo: 28679							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 869148		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.44	1.712	76.0	54.9	131			
Surr: BFB	520		488.8		106	70	130			

Sample ID 1509131-001amsd	SampType: MSD		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: Jic B #1 bottom Co	Batch ID: 21127		RunNo: 28679							
Prep Date: 9/3/2015	Analysis Date: 9/4/2015		SeqNo: 869149		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.70	1.712	76.3	54.9	131	1.37	20	
Surr: BFB	540		494.1		109	70	130	0	0	

Qualifiers:

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

Sample Log-In Check List

Client Name: WILLIAMS FIELD SERVI

Work Order Number: 1509131

RcptNo: 1

Received by/date: CM 09/03/15

Logged By: Anne Thorne 9/3/2015 7:00:00 AM *Anne Thorne*

Completed By: Anne Thorne 9/3/2015 *Anne Thorne*

Reviewed By: *[Signature]* 09/03/15

Chain of Custody

- 1. Custody seals intact on sample bottles? Yes No Not Present
- 2. Is Chain of Custody complete? Yes No Not Present
- 3. How was the sample delivered? Courier

Log In

- 4. Was an attempt made to cool the samples? Yes No NA
- 5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 6. Sample(s) in proper container(s)? Yes No
- 7. Sufficient sample volume for indicated test(s)? Yes No
- 8. Are samples (except VOA and ONG) properly preserved? Yes No
- 9. Was preservative added to bottles? Yes No NA
- 10. VOA vials have zero headspace? Yes No No VOA Vials
- 11. Were any sample containers received broken? Yes No
- 12. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 13. Are matrices correctly identified on Chain of Custody? Yes No
- 14. Is it clear what analyses were requested? Yes No
- 15. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

- 16. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: 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	2.3	Good	Yes			

