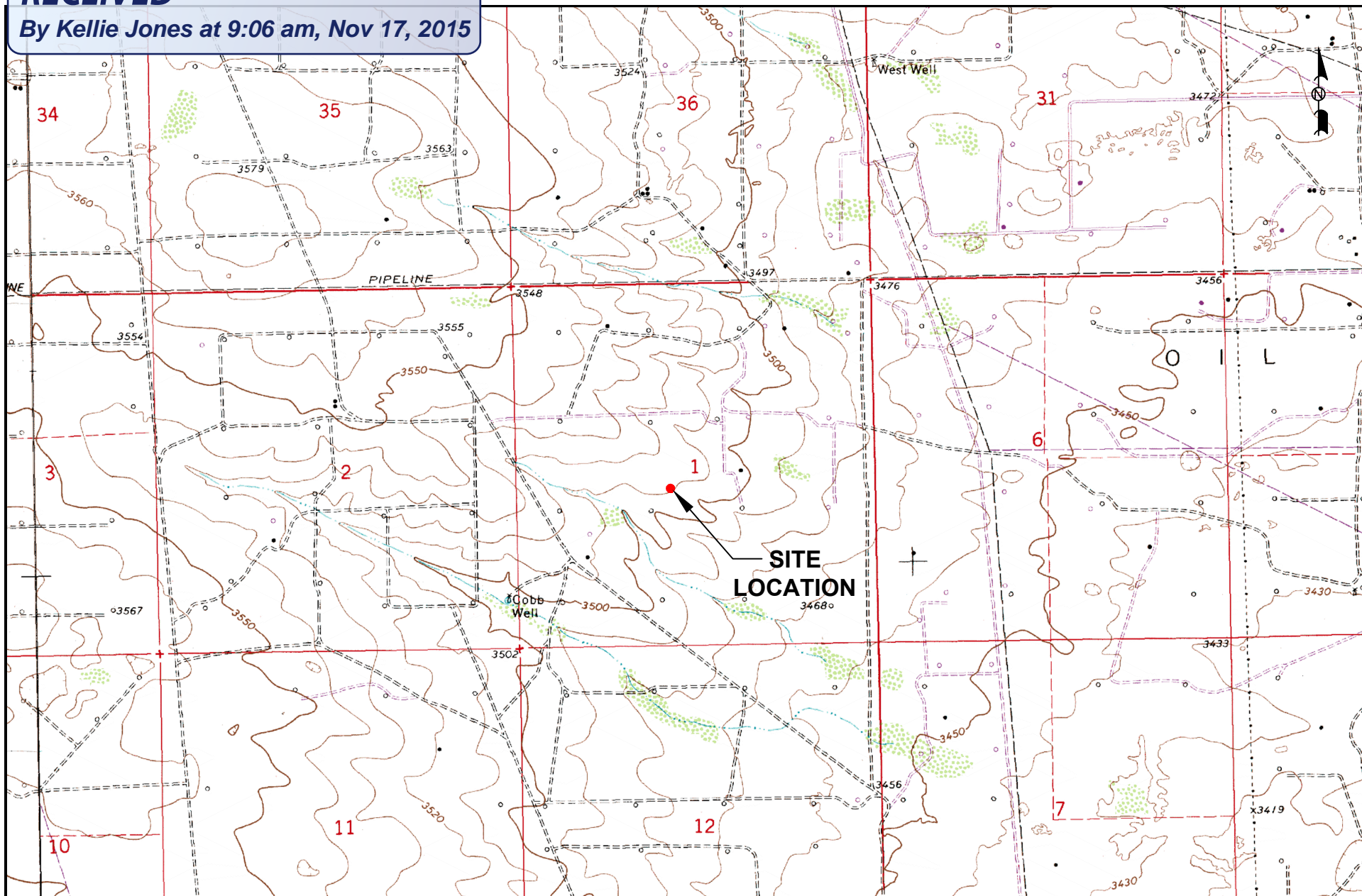


RECEIVED

By Kellie Jones at 9:06 am, Nov 17, 2015



LEGEND:

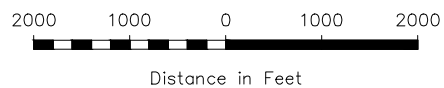


Figure 1
Site Location Map
Plains Marketing, L.P.
XTO Arrowhead Grayburg
Lea County, NM

Scale: 1" = 2000'

CAD By: TA

Checked By: CS

Draft: November 11, 2015

Lat. N 32.41969° Long. W 103.21978°



2057 Commerce Drive
Midland, Texas 79703
432.520.7720

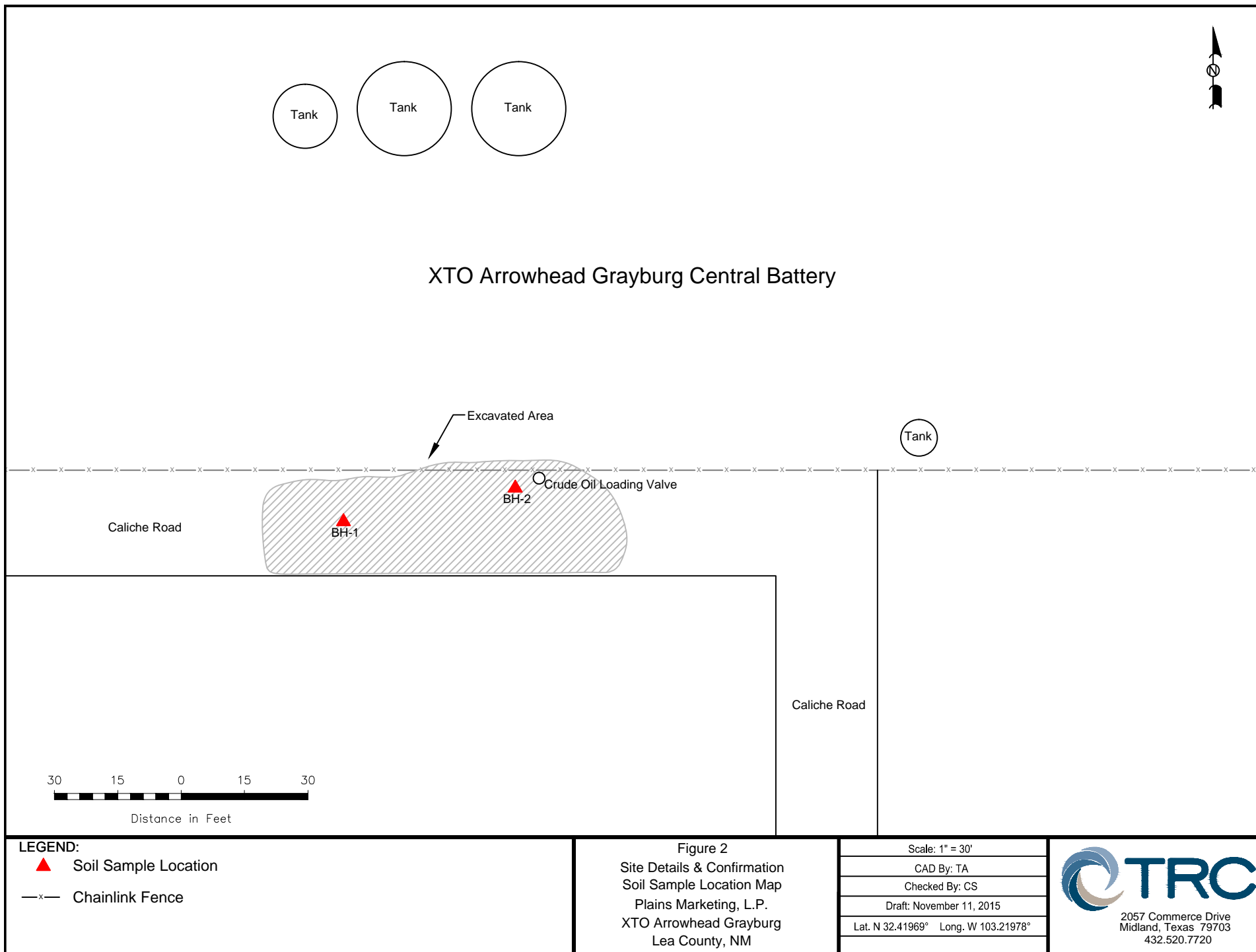


TABLE 1
CONCENTRATIONS OF BTEX, TPH, AND CHLORIDE IN SOIL

XTO ARROWHEAD GRAYBURG
PLAINS MARKETING, L.P.
LEA COUNTY, NM
PLAINS SRS NUMBER: 2015-211
NMOCD REFERENCE 1RP-3971

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (feet)	Methods: EPA SW 846-8021B, 5030						Methods:				CHLORIDE (mg/Kg)
			BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	m,p XYLENE (mg/Kg)	o XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	EPA SW 846-8015M				
									GRO (mg/Kg)	DRO (mg/Kg)	ORO (mg/Kg)	TOTAL TPH (mg/Kg)	
NMOCD Regulatory Guideline			10	-	-	-	-	50	-	-	-	5,000	250
BH-1	11/6/2015	1.5'	<0.00111	<0.00222	0.00377	0.0137	0.00242	0.01989	27.8	258	34.1	319.9	2.41
BH-2	11/6/2015	1.5'	<0.00114	<0.00227	<0.00114	<0.00227	<0.00114	<0.00227	<28.4	199	<28.4	199	10.0

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706**



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
2057 Commerce Street
Midland, TX 79703

Project: Plains - XTO Arrowhead Grayburg

Project Number: 2015-211

Location: Lea County, NM

Lab Order Number: 5K09003



NELAP/TCEQ # T104704156-13-3

Report Date: 11/10/15

TRC Solutions- Midland, Texas
2057 Commerce Street
Midland TX, 79703

Project: Plains - XTO Arrowhead Grayburg
Project Number: 2015-211
Project Manager: Curt Stanley

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1	5K09003-01	Soil	11/06/15 00:00	11-09-2015 09:16
BH-2	5K09003-02	Soil	11/06/15 00:00	11-09-2015 09:16

TRC Solutions- Midland, Texas
2057 Commerce Street
Midland TX, 79703

Project: Plains - XTO Arrowhead Grayburg
Project Number: 2015-211
Project Manager: Curt Stanley

Fax: (432) 520-7701

BH-1
5K09003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00111	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Toluene	ND	0.00222	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Ethylbenzene	0.00377	0.00111	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Xylene (p/m)	0.0137	0.00222	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Xylene (o)	0.00242	0.00111	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		103 %	75-125		P5K1010	11/09/15	11/10/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		137 %	75-125		P5K1010	11/09/15	11/10/15	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

Chloride	2.41	1.11	mg/kg dry	1	P5K1020	11/10/15	11/10/15	EPA 300.0	
% Moisture	10.0	0.1	%	1	P5K1001	11/10/15	11/10/15	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	27.8	27.8	mg/kg dry	1	P5K1013	11/09/15	11/09/15	TPH 8015M	
>C12-C28	258	27.8	mg/kg dry	1	P5K1013	11/09/15	11/09/15	TPH 8015M	
>C28-C35	34.1	27.8	mg/kg dry	1	P5K1013	11/09/15	11/09/15	TPH 8015M	
Surrogate: 1-Chlorooctane		110 %	70-130		P5K1013	11/09/15	11/09/15	TPH 8015M	
Surrogate: o-Terphenyl		137 %	70-130		P5K1013	11/09/15	11/09/15	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	293	27.8	mg/kg dry	1	[CALC]	11/09/15	11/09/15	calc	

TRC Solutions- Midland, Texas
2057 Commerce Street
Midland TX, 79703

Project: Plains - XTO Arrowhead Grayburg
Project Number: 2015-211
Project Manager: Curt Stanley

Fax: (432) 520-7701

BH-2
5K09003-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00114	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Toluene	ND	0.00227	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P5K1010	11/09/15	11/10/15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-125		P5K1010	11/09/15	11/10/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		98.7 %	75-125		P5K1010	11/09/15	11/10/15	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	10.0	1.14	mg/kg dry	1	P5K1020	11/10/15	11/10/15	EPA 300.0	
% Moisture	13.0	0.1	%	1	P5K1001	11/10/15	11/10/15	% calculation	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P5K1013	11/09/15	11/09/15	TPH 8015M	
>C12-C28	199	28.4	mg/kg dry	1	P5K1013	11/09/15	11/09/15	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P5K1013	11/09/15	11/09/15	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P5K1013	11/09/15	11/09/15	TPH 8015M	
Surrogate: o-Terphenyl		132 %	70-130		P5K1013	11/09/15	11/09/15	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	199	28.4	mg/kg dry	1	[CALC]	11/09/15	11/09/15	calc	

TRC Solutions- Midland, Texas
2057 Commerce Street
Midland TX, 79703

Project: Plains - XTO Arrowhead Grayburg
Project Number: 2015-211
Project Manager: Curt Stanley

Fax: (432) 520-7701

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P5K1010 - General Preparation (GC)

Blank (P5K1010-BLK1)

Prepared & Analyzed: 11/09/15

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0611		"	0.0500		122	75-125			
Surrogate: 4-Bromofluorobenzene	0.0483		"	0.0500		96.6	75-125			

LCS (P5K1010-BS1)

Prepared & Analyzed: 11/09/15

Benzene	0.0960	0.00100	mg/kg wet	0.100		96.0	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
Ethylbenzene	0.119	0.00100	"	0.100		119	70-130			
Xylene (p/m)	0.205	0.00200	"	0.200		103	70-130			
Xylene (o)	0.104	0.00100	"	0.100		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.0503		"	0.0500		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.0736		"	0.0500		147	75-125			S-GC

LCS Dup (P5K1010-BSD1)

Prepared & Analyzed: 11/09/15

Benzene	0.0889	0.00100	mg/kg wet	0.100		88.9	70-130	7.70	20	
Toluene	0.100	0.00200	"	0.100		100	70-130	6.82	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	70-130	3.79	20	
Xylene (p/m)	0.197	0.00200	"	0.200		98.6	70-130	3.92	20	
Xylene (o)	0.104	0.00100	"	0.100		104	70-130	0.192	20	
Surrogate: 1,4-Difluorobenzene	0.0700		"	0.0500		140	75-125			S-GC
Surrogate: 4-Bromofluorobenzene	0.0518		"	0.0500		104	75-125			

TRC Solutions- Midland, Texas
2057 Commerce Street
Midland TX, 79703

Project: Plains - XTO Arrowhead Grayburg
Project Number: 2015-211
Project Manager: Curt Stanley

Fax: (432) 520-7701

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P5K1001 - % Solids

Blank (P5K1001-BLK1)

Prepared & Analyzed: 11/10/15

% Moisture	ND	0.1	%
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Duplicate (P5K1001-DUP1)

Source: 5K06010-01

Prepared & Analyzed: 11/10/15

% Moisture	7.0	0.1	%	6.0	15.4	20
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Duplicate (P5K1001-DUP2)

Source: 5K06012-11

Prepared & Analyzed: 11/10/15

% Moisture	8.0	0.1	%	7.0	13.3	20
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Duplicate (P5K1001-DUP3)

Source: 5K06013-03

Prepared & Analyzed: 11/10/15

% Moisture	4.0	0.1	%	4.0	0.00	20
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Batch P5K1020 - * DEFAULT PREP *****

Blank (P5K1020-BLK1)

Prepared & Analyzed: 11/10/15

Chloride	ND	1.00	mg/kg wet
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LCS (P5K1020-BS1)

Prepared & Analyzed: 11/10/15

Chloride	93.1	1.00	mg/kg wet	100	93.1	80-120
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LCS Dup (P5K1020-BSD1)

Prepared & Analyzed: 11/10/15

Chloride	94.8	1.00	mg/kg wet	100	94.8	80-120	1.77	20
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TRC Solutions- Midland, Texas
2057 Commerce Street
Midland TX, 79703

Project: Plains - XTO Arrowhead Grayburg
Project Number: 2015-211
Project Manager: Curt Stanley

Fax: (432) 520-7701

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P5K1013 - TX 1005

Blank (P5K1013-BLK1)

Prepared & Analyzed: 11/09/15

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	89.3		"	100		89.3	70-130			
Surrogate: o-Terphenyl	53.2		"	50.0		106	70-130			

LCS (P5K1013-BS1)

Prepared & Analyzed: 11/09/15

C6-C12	956	25.0	mg/kg wet	1000		95.6	75-125			
>C12-C28	945	25.0	"	1000		94.5	75-125			
Surrogate: 1-Chlorooctane	105		"	100		105	70-130			
Surrogate: o-Terphenyl	53.3		"	50.0		107	70-130			

LCS Dup (P5K1013-BSD1)

Prepared & Analyzed: 11/09/15

C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	7.33	20	
>C12-C28	1010	25.0	"	1000		101	75-125	6.96	20	
Surrogate: 1-Chlorooctane	114		"	100		114	70-130			
Surrogate: o-Terphenyl	59.5		"	50.0		119	70-130			

Matrix Spike (P5K1013-MS1)

Source: 5K06012-13

Prepared: 11/09/15 Analyzed: 11/10/15

C6-C12	938	27.2	mg/kg dry	1090	19.0	84.5	75-125			
>C12-C28	937	27.2	"	1090	ND	86.2	75-125			
Surrogate: 1-Chlorooctane	136		"	109		125	70-130			
Surrogate: o-Terphenyl	66.7		"	54.3		123	70-130			

Matrix Spike Dup (P5K1013-MSD1)

Source: 5K06012-13

Prepared: 11/09/15 Analyzed: 11/10/15

C6-C12	859	27.2	mg/kg dry	1090	19.0	77.3	75-125	8.90	20	
>C12-C28	842	27.2	"	1090	ND	77.5	75-125	10.6	20	
Surrogate: 1-Chlorooctane	124		"	109		114	70-130			
Surrogate: o-Terphenyl	61.1		"	54.3		112	70-130			

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By:



Date:

11/10/2015

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	Plains Marketing, LP	Contact	Camille Bryant
Address	2530 State Hwy. 214, Denver City, TX 79323	Telephone No.	(575) 441-1099
Facility Name	XTO Arrowhead Grayburg	Facility Type	Tank Battery

Surface Owner	BLM	Mineral Owner		Lease No.	
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	1	22S	36E					Lea

Latitude N 32.41969° Longitude W 103.21978°

NATURE OF RELEASE

Type of Release	Crude Oil	Volume of Release	7 bbls	Volume Recovered	3.5 bbls
Source of Release	Transport Truck	Date and Hour of Occurrence	10/31/2015 @ 09:27	Date and Hour of Discovery	10/31/2015 @ 09:27
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Left voicemail for Kellie Jones		
By Whom?	Camille Bryant	Date and Hour	11/01/2015 @ 09:18		
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.*

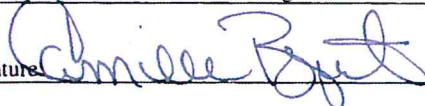

REVIEWED

By Kellie Jones at 1:45 pm, Nov 10, 2015

Describe Cause of Problem and Remedial Action Taken.* Plains driver was loading crude oil at the battery when he overfilled his trailer resulting in a release.

Describe Area Affected and Cleanup Action Taken. The released crude oil impacted an area along the caliche road measuring approximately 30' X 85'. The impacted area will be remediated as per applicable NMOCD guidelines.

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

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Camille Bryant	Approved by District Supervisor: 		
Title: Remediation Coordinator	Approval Date: 11/10/2015	Expiration Date: 01/10/2016	
E-mail Address: cjbryant@paalp.com	Conditions of Approval: Site samples required. Delineate and remediate as per MNOCD guides. Geotag photographs of remediation required.		Attached <input type="checkbox"/> IRP-3971
Date: 11/3/15	Phone: (575) 441-1099		

* Attach Additional Sheets If Necessary

nKJ1531449814
pKJ1531449998