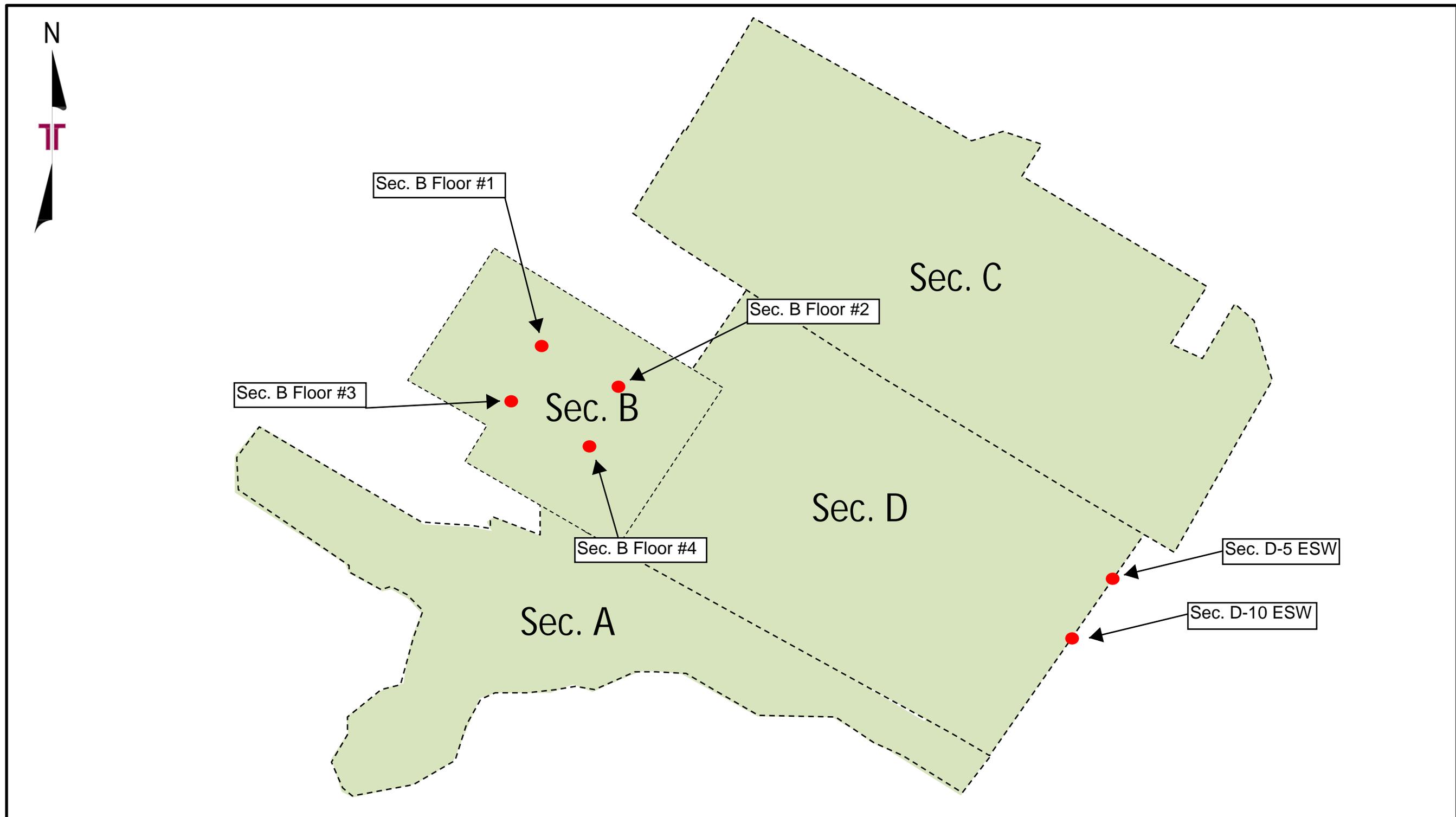


TABLE 1
 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL - RECENT SAMPLING EVENT

PLAINS MARKETING, LP
 FORMER MALJAMAR STATION
 EDDY COUNTY, NEW MEXICO
 PLAINS SRS: HDO-95-61 FORMER MALJAMAR STATION
 NMOCD REFERENCE #: 2RP-2504

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M			TPH C ₆ -C ₃₅ (mg/Kg)	300.1 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M.P. - XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)		
Sec. D-5 ESW	1.5'	8/1/2017	In-Situ	<0.00112	<0.00225	<0.00112	<0.00225	<0.00112	<0.00225	<0.00225	<28.1	144	49.8	194	<1.12
Sec. D-10 ESW	1.5'	8/1/2017	In-Situ	<0.00115	<0.00230	<0.00115	<0.00230	<0.00115	<0.00230	<0.00230	<28.7	59.8	<28.7	59.8	<1.15
Sec. B Floor #1	3'	8/1/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	8.18
Sec. B Floor #2	3'	8/1/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	6.48
Sec. B Floor #3	3'	8/1/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	5.97
Sec. B Floor #4	3'	8/1/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	50.20
NMOCD Recommended Remediation Action Level				10						50				5,000	1,000



Project No.	AR167154
Scale:	1" ~ 80'
Source:	Google Earth
Date:	2016

Terracon
 Consulting Engineers & Scientists
 5827 50th St. Suite 1 Lubbock, Texas 79424
 PH. (806) 300-0104 FAX. (806) 797 0947

Figure 2 – Site and Sample Location Map (Recent Event)
 Former Maljamar Station
 32.71932°, -103.82819°
 Eddy County, New Mexico

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

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

Project: Maljamar Station
Project Number: [none]
Location: New Mexico

Lab Order Number: 7H04008



NELAP/TCEQ # T104704516-16-7

Report Date: 08/08/17

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

Project: Maljamar Station
Project Number: [none]
Project Manager: Joel Lowry

Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Sec. D-5 ESW	7H04008-01	Soil	08/01/17 14:10	08-03-2017 17:30
Sec. D-10 ESW	7H04008-02	Soil	08/01/17 14:12	08-03-2017 17:30
Sec. B Floor #1	7H04008-03	Soil	08/01/17 14:20	08-03-2017 17:30
Sec. B Floor #2	7H04008-04	Soil	08/01/17 14:22	08-03-2017 17:30
Sec. B Floor #3	7H04008-05	Soil	08/01/17 14:24	08-03-2017 17:30
Sec. B Floor #4	7H04008-06	Soil	08/01/17 14:26	08-03-2017 17:30

Sec. D-5 ESW
7H04008-01 (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	0.00112	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Toluene	ND	0.00225	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	75-125		P7H0807	08/07/17	08/07/17	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		96.3 %	75-125		P7H0807	08/07/17	08/07/17	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.12	mg/kg dry	1	P7H0712	08/07/17	08/08/17	EPA 300.0	
% Moisture	11.0	0.1	%	1	P7H0705	08/07/17	08/07/17	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.1	mg/kg dry	1	P7H0805	08/07/17	08/08/17	TPH 8015M	
>C12-C28	144	28.1	mg/kg dry	1	P7H0805	08/07/17	08/08/17	TPH 8015M	
>C28-C35	49.8	28.1	mg/kg dry	1	P7H0805	08/07/17	08/08/17	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		90.3 %	70-130		P7H0805	08/07/17	08/08/17	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		100 %	70-130		P7H0805	08/07/17	08/08/17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	194	28.1	mg/kg dry	1	[CALC]	08/07/17	08/08/17	calc	

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 Midland TX, 79703

Project: Maljamar Station
 Project Number: [none]
 Project Manager: Joel Lowry

Fax: (432) 520-7701

Sec. D-10 ESW
7H04008-02 (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	0.00115	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Toluene	ND	0.00230	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P7H0807	08/07/17	08/07/17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		96.7 %	75-125		P7H0807	08/07/17	08/07/17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		59.9 %	75-125		P7H0807	08/07/17	08/07/17	EPA 8021B	S-GC

General Chemistry Parameters by EPA / Standard Methods

Chloride	ND	1.15	mg/kg dry	1	P7H0712	08/07/17	08/08/17	EPA 300.0	
% Moisture	13.0	0.1	%	1	P7H0705	08/07/17	08/07/17	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.7	mg/kg dry	1	P7H0805	08/07/17	08/08/17	TPH 8015M	
>C12-C28	59.8	28.7	mg/kg dry	1	P7H0805	08/07/17	08/08/17	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P7H0805	08/07/17	08/08/17	TPH 8015M	
Surrogate: 1-Chlorooctane		95.9 %	70-130		P7H0805	08/07/17	08/08/17	TPH 8015M	
Surrogate: o-Terphenyl		106 %	70-130		P7H0805	08/07/17	08/08/17	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	59.8	28.7	mg/kg dry	1	[CALC]	08/07/17	08/08/17	calc	

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Midland TX, 79703

Project: Maljamar Station
Project Number: [none]
Project Manager: Joel Lowry

Fax: (432) 520-7701

Sec. B Floor #1
7H04008-03 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

Chloride	8.18	1.01	mg/kg dry	1	P7H0712	08/07/17	08/08/17	EPA 300.0	
% Moisture	1.0	0.1	%	1	P7H0705	08/07/17	08/07/17	ASTM D2216	

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Midland TX, 79703

Project: Maljamar Station
Project Number: [none]
Project Manager: Joel Lowry

Fax: (432) 520-7701

Sec. B Floor #2
7H04008-04 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.48	1.01	mg/kg dry	1	P7H0712	08/07/17	08/08/17	EPA 300.0	
% Moisture	1.0	0.1	%	1	P7H0705	08/07/17	08/07/17	ASTM D2216	

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

Project: Maljamar Station
Project Number: [none]
Project Manager: Joel Lowry

Fax: (432) 520-7701

Sec. B Floor #3
7H04008-05 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

Chloride	5.97	1.03	mg/kg dry	1	P7H0712	08/07/17	08/08/17	EPA 300.0	
% Moisture	3.0	0.1	%	1	P7H0705	08/07/17	08/07/17	ASTM D2216	

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

Project: Maljamar Station
Project Number: [none]
Project Manager: Joel Lowry

Fax: (432) 520-7701

Sec. B Floor #4
7H04008-06 (Soil)

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

General Chemistry Parameters by EPA / Standard Methods

Chloride	50.2	1.01	mg/kg dry	1	P7H0712	08/07/17	08/08/17	EPA 300.0	
% Moisture	1.0	0.1	%	1	P7H0705	08/07/17	08/07/17	ASTM D2216	

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 P7H0807 - General Preparation (GC)

Blank (P7H0807-BLK1)										
										Prepared & Analyzed: 08/07/17
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	0.0603		"	0.0600		101	75-125			
Surrogate: 4-Bromofluorobenzene	0.0391		"	0.0600		65.2	75-125			S-GC

LCS (P7H0807-BS1)										
										Prepared & Analyzed: 08/07/17
Benzene	0.119	0.00100	mg/kg wet	0.100		119	70-130			
Toluene	0.119	0.00200	"	0.100		119	70-130			
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130			
Xylene (p/m)	0.208	0.00200	"				70-130			
Xylene (o)	0.0989	0.00100	"				70-130			
Surrogate: 4-Bromofluorobenzene	0.0401		"	0.0600		66.8	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0705		"	0.0600		117	75-125			

LCS Dup (P7H0807-BSD1)										
										Prepared & Analyzed: 08/07/17
Benzene	0.118	0.00100	mg/kg wet	0.100		118	70-130	0.745	20	
Toluene	0.117	0.00200	"	0.100		117	70-130	1.09	20	
Ethylbenzene	0.113	0.00100	"	0.100		113	70-130	3.83	20	
Xylene (p/m)	0.197	0.00200	"				70-130		20	
Xylene (o)	0.0953	0.00100	"				70-130		20	
Surrogate: 4-Bromofluorobenzene	0.0369		"	0.0600		61.5	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0674		"	0.0600		112	75-125			

Matrix Spike (P7H0807-MS1)										
			Source: 7H07004-02							
										Prepared & Analyzed: 08/07/17
Benzene	0.118	0.00108	mg/kg dry	0.108	ND	110	80-120			
Toluene	0.111	0.00215	"	0.108	ND	104	80-120			
Ethylbenzene	0.0965	0.00108	"	0.108	ND	89.7	80-120			
Xylene (p/m)	0.170	0.00215	"		ND		80-120			
Xylene (o)	0.0829	0.00108	"		ND		80-120			
Surrogate: 4-Bromofluorobenzene	0.0362		"	0.0645		56.1	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0660		"	0.0645		102	75-125			

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 Midland TX, 79703

Project: Maljamar Station
 Project Number: [none]
 Project Manager: Joel Lowry

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 P7H0807 - General Preparation (GC)

Matrix Spike Dup (P7H0807-MSD1)	Source: 7H07004-02			Prepared & Analyzed: 08/07/17						
Benzene	0.120	0.00108	mg/kg dry	0.108	ND	112	80-120	1.75	20	
Toluene	0.109	0.00215	"	0.108	ND	101	80-120	2.42	20	
Ethylbenzene	0.0883	0.00108	"	0.108	ND	82.1	80-120	8.89	20	
Xylene (p/m)	0.157	0.00215	"		ND		80-120		20	
Xylene (o)	0.0742	0.00108	"		ND		80-120		20	
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.0798</i>		<i>"</i>	<i>0.0645</i>		<i>124</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0428</i>		<i>"</i>	<i>0.0645</i>		<i>66.4</i>	<i>75-125</i>			<i>S-GC</i>

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
Batch P7H0705 - *** DEFAULT PREP ***										
Blank (P7H0705-BLK1) Prepared & Analyzed: 08/07/17										
% Moisture	ND	0.1	%							
Duplicate (P7H0705-DUP1) Source: 7H03008-02 Prepared & Analyzed: 08/07/17										
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P7H0705-DUP2) Source: 7H07002-03 Prepared & Analyzed: 08/07/17										
% Moisture	19.0	0.1	%		18.0			5.41	20	
Batch P7H0712 - *** DEFAULT PREP ***										
Blank (P7H0712-BLK1) Prepared: 08/07/17 Analyzed: 08/08/17										
Chloride	ND	1.00	mg/kg wet							
LCS (P7H0712-BS1) Prepared: 08/07/17 Analyzed: 08/08/17										
Chloride	413	1.00	mg/kg wet	400		103	80-120			
LCS Dup (P7H0712-BSD1) Prepared: 08/07/17 Analyzed: 08/08/17										
Chloride	412	1.00	mg/kg wet	400		103	80-120	0.271	20	
Duplicate (P7H0712-DUP1) Source: 7H04003-03 Prepared: 08/07/17 Analyzed: 08/08/17										
Chloride	1090	27.5	mg/kg dry		1090			0.00	20	
Duplicate (P7H0712-DUP2) Source: 7H04004-07 Prepared: 08/07/17 Analyzed: 08/08/17										
Chloride	3680	27.2	mg/kg dry		3500			5.11	20	
Matrix Spike (P7H0712-MS1) Source: 7H04003-03 Prepared: 08/07/17 Analyzed: 08/08/17										
Chloride	4230	27.5	mg/kg dry	2200	1090	143	80-120			QM-05

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

Project: Maljamar Station
 Project Number: [none]
 Project Manager: Joel Lowry

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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 P7H0805 - TX 1005

Blank (P7H0805-BLK1)

Prepared & Analyzed: 08/07/17

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	95.5		"	100		95.5	70-130			
Surrogate: o-Terphenyl	54.4		"	50.0		109	70-130			

LCS (P7H0805-BS1)

Prepared & Analyzed: 08/07/17

C6-C12	768	25.0	mg/kg wet	1000		76.8	75-125			
>C12-C28	832	25.0	"	1000		83.2	75-125			
Surrogate: 1-Chlorooctane	98.0		"	100		98.0	70-130			
Surrogate: o-Terphenyl	42.2		"	50.0		84.5	70-130			

LCS Dup (P7H0805-BSD1)

Prepared & Analyzed: 08/07/17

C6-C12	800	25.0	mg/kg wet	1000		80.0	75-125	4.02	20	
>C12-C28	840	25.0	"	1000		84.0	75-125	0.921	20	
Surrogate: 1-Chlorooctane	103		"	100		103	70-130			
Surrogate: o-Terphenyl	48.8		"	50.0		97.6	70-130			

Matrix Spike (P7H0805-MS1)

Source: 7H07004-02

Prepared & Analyzed: 08/07/17

C6-C12	893	26.9	mg/kg dry	1080	ND	83.1	75-125			
>C12-C28	1090	26.9	"	1080	286	74.8	75-125			QM-05
Surrogate: 1-Chlorooctane	111		"	108		103	70-130			
Surrogate: o-Terphenyl	57.9		"	53.8		108	70-130			

Matrix Spike Dup (P7H0805-MSD1)

Source: 7H07004-02

Prepared & Analyzed: 08/07/17

C6-C12	931	26.9	mg/kg dry	1080	ND	86.6	75-125	4.18	20	
>C12-C28	1140	26.9	"	1080	286	79.1	75-125	5.63	20	
Surrogate: 1-Chlorooctane	118		"	108		110	70-130			
Surrogate: o-Terphenyl	60.0		"	53.8		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.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
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:

8/8/2017

Brent Barron, Laboratory Director/Technical Director

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