

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



Analytical Report

Prepared for:

Ben Arguijo
Basin Environmental Services
P.O. Box 301
Lovington, NM 88260

Project: Former Maljamar Station

Project Number: SRS HDO-95-61

Location: Eddy Co. NM

Lab Order Number: 5J09001



NELAP/TCEQ # T104704156-13-3

Report Date: 10/12/15

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Project Manager: Ben Arguijo

Fax: (505) 396-1429

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Scraper Trap @ 16' - N. Floor	5J09001-01	Soil	09/25/15 14:30	10-09-2015 12:41
Scraper Trap @ 16' - S. Floor	5J09001-02	Soil	09/25/15 14:35	10-09-2015 12:41

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Scraper Trap @ 16' - N. Floor

5J09001-01 (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	0.00120	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B
Toluene	ND	0.00241	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B
Ethylbenzene	ND	0.00120	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B
Xylene (p/m)	ND	0.00241	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B
Xylene (o)	ND	0.00120	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B
Surrogate: 4-Bromofluorobenzene		125 %	75-125		P5J1204	10/09/15	10/09/15	EPA 8021B
Surrogate: 1,4-Difluorobenzene		113 %	75-125		P5J1204	10/09/15	10/09/15	EPA 8021B

General Chemistry Parameters by EPA / Standard Methods

% Moisture	17.0	0.1	%	1	P5J0902	10/09/15	10/12/15	% calculation
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	30.1	mg/kg dry	1	P5J1202	10/09/15	10/09/15	TPH 8015M
>C12-C28	ND	30.1	mg/kg dry	1	P5J1202	10/09/15	10/09/15	TPH 8015M
>C28-C35	ND	30.1	mg/kg dry	1	P5J1202	10/09/15	10/09/15	TPH 8015M
Surrogate: 1-Chlorooctane		80.0 %	70-130		P5J1202	10/09/15	10/09/15	TPH 8015M
Surrogate: o-Terphenyl		101 %	70-130		P5J1202	10/09/15	10/09/15	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	30.1	mg/kg dry	1	[CALC]	10/09/15	10/09/15	calc

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Scraper Trap @ 16' - S. Floor
5J09001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Organics by GC

Benzene	ND	0.00114	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B	
Toluene	ND	0.00227	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B	
Ethylbenzene	0.00228	0.00114	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B	
Xylene (p/m)	0.00365	0.00227	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		125 %	75-125		P5J1204	10/09/15	10/09/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	75-125		P5J1204	10/09/15	10/09/15	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

% Moisture	12.0	0.1	%	1	P5J0902	10/09/15	10/12/15	% calculation	
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P5J1202	10/09/15	10/09/15	TPH 8015M	
>C12-C28	67.0	28.4	mg/kg dry	1	P5J1202	10/09/15	10/09/15	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P5J1202	10/09/15	10/09/15	TPH 8015M	
Surrogate: 1-Chlorooctane		80.9 %	70-130		P5J1202	10/09/15	10/09/15	TPH 8015M	
Surrogate: o-Terphenyl		99.8 %	70-130		P5J1202	10/09/15	10/09/15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	67.0	28.4	mg/kg dry	1	[CALC]	10/09/15	10/09/15	calc	

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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 P5J1204 - General Preparation (GC)

Blank (P5J1204-BLK1)

Prepared & Analyzed: 10/09/15

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: 4-Bromofluorobenzene	0.0632		"	0.0500		126	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0551		"	0.0500		110	75-125			

LCS (P5J1204-BS1)

Prepared & Analyzed: 10/09/15

Benzene	0.0887	0.00100	mg/kg wet	0.100		88.7	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
Ethylbenzene	0.120	0.00100	"	0.100		120	70-130			
Xylene (p/m)	0.229	0.00200	"	0.200		115	70-130			
Xylene (o)	0.113	0.00100	"	0.100		113	70-130			
Surrogate: 4-Bromofluorobenzene	0.0717		"	0.0500		143	75-125			S-GC
Surrogate: 1,4-Difluorobenzene	0.0579		"	0.0500		116	75-125			

LCS Dup (P5J1204-BSD1)

Prepared & Analyzed: 10/09/15

Benzene	0.0861	0.00100	mg/kg wet	0.100		86.1	70-130	3.04	20	
Toluene	0.108	0.00200	"	0.100		108	70-130	0.130	20	
Ethylbenzene	0.121	0.00100	"	0.100		121	70-130	0.765	20	
Xylene (p/m)	0.226	0.00200	"	0.200		113	70-130	1.46	20	
Xylene (o)	0.115	0.00100	"	0.100		115	70-130	1.96	20	
Surrogate: 1,4-Difluorobenzene	0.0581		"	0.0500		116	75-125			
Surrogate: 4-Bromofluorobenzene	0.0711		"	0.0500		142	75-125			S-GC

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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 P5J0902 - % Solids

Blank (P5J0902-BLK1)

Prepared: 10/09/15 Analyzed: 10/12/15

% Moisture	ND	0.1	%
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Duplicate (P5J0902-DUP1)

Source: 5J09001-02

Prepared: 10/09/15 Analyzed: 10/12/15

% Moisture	12.0	0.1	%	12.0	0.00	20
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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 P5J1202 - TX 1005

Blank (P5J1202-BLK1)

Prepared & Analyzed: 10/09/15

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	93.2		"	100		93.2	70-130			
Surrogate: o-Terphenyl	56.7		"	50.0		113	70-130			

LCS (P5J1202-BS1)

Prepared & Analyzed: 10/09/15

C6-C12	931	25.0	mg/kg wet	1000		93.1	75-125			
>C12-C28	962	25.0	"	1000		96.2	75-125			
Surrogate: 1-Chlorooctane	81.5		"	100		81.5	70-130			
Surrogate: o-Terphenyl	50.7		"	50.0		101	70-130			

LCS Dup (P5J1202-BSD1)

Prepared & Analyzed: 10/09/15

C6-C12	953	25.0	mg/kg wet	1000		95.3	75-125	2.38	20	
>C12-C28	1020	25.0	"	1000		102	75-125	5.59	20	
Surrogate: 1-Chlorooctane	84.6		"	100		84.6	70-130			
Surrogate: o-Terphenyl	53.8		"	50.0		108	70-130			

Duplicate (P5J1202-DUP1)

Source: 5J09003-01

Prepared & Analyzed: 10/09/15

C6-C12	2180	137	mg/kg dry		2050			6.01	20	
>C12-C28	6480	137	"		6100			5.97	20	
Surrogate: 1-Chlorooctane	124		"	110		113	70-130			
Surrogate: o-Terphenyl	55.0		"	54.9		100	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:

10/12/2015

Brent Barron, Laboratory Director/Technical Director

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Report Format: ☐ Standard ☐ TRRP ☐ NPDES

PO #: PAA-C. Bryant

Project Loc: Eddy Co., NM

Project #: SRS HDO-95-61

Project Name: Former Majamar Station

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