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

Basin Environmental Services

Project: Former Maljamar Station

P.O. Box 301 Lovington NM, 88260 Project Number: SRS HDO-95-61

Project Manager: Ben Arguijo

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

Fax: (505) 396-1429

P.O. Box 301 Project Number: SRS HDO-95-61 Lovington NM, 88260 Project Manager: Ben Arguijo

Scraper Trap @ 16' - N. Floor 5J09001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	ian Basin E	Environmer	ıtal Lab, I	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 %	75-1	25	P5J1204	10/09/15	10/09/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		113 %	75-1	25	P5J1204	10/09/15	10/09/15	EPA 8021B	
General Chemistry Parameters by EPA	/ Standard Method	ls							
% Moisture	17.0	0.1	%	1	P5J0902	10/09/15	10/12/15	% calculation	
Total Petroleum Hydrocarbons C6-C35	by EPA Method 80	15M							
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/k		1	P5J1202	10/09/15	10/09/15	TPH 8015M	
Surrogate: 1-Chlorooctane		80.0 %	70-1	30	P5J1202	10/09/15	10/09/15	TPH 8015M	
Surrogate: o-Terphenyl		101 %	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
	Perr	nian Basin E	nvironmer	ıtal Lab, I	P.				
Organics by GC									
Benzene	ND	0.00114	mg/kg dry	1	P5J1204	10/09/15	10/09/15	EPA 8021B	
Γoluene	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 %	75-1	25	P5J1204	10/09/15	10/09/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		109 %	75-1	25	P5J1204	10/09/15	10/09/15	EPA 8021B	
General Chemistry Parameters by EF	PA / Standard Metho	ds							
% Moisture	12.0	0.1	%	1	P5J0902	10/09/15	10/12/15	% calculation	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 8	015M							
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 %	70-1	30	P5J1202	10/09/15	10/09/15	TPH 8015M	
Surrogate: o-Terphenyl		99.8 %	70-1	30	P5J1202	10/09/15	10/09/15	TPH 8015M	
Fotal 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.

		Reporting		Spike	Source		%REC		RPD		ĺ
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	ı

Blank (P5J1204-BLK1)				Prepared & Anal	yzed: 10/09/15				
Benzene	ND	0.00100	mg/kg wet	•	<u> </u>				
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 & Anal	yzed: 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 & Anal	yzed: 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
Batch P5J0902 - % Solids	resur	Ellin	Cinto	Level	Resurt	/URLEC	Emits	МЪ	- Diffit	110103
				D 1.1	10/00/15	1 1 10/	112/15			
Blank (P5J0902-BLK1) % Moisture	ND	0.1	%	Prepared: 1	10/09/15 A	nalyzed: 10/	12/15			
Duplicate (P5J0902-DUP1)	Sourc	e: 5J09001-	02	Prepared: 1	10/09/15 A	nalyzed: 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.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
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)	Sou	rce: 5J09003	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			

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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

	Bren &	Sarron			
Report Approved By:			Date:	10/12/2015	

Brent Barron, Laboratory Director/Technical Director

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