3R-1032

Release Report/ General Correspondence Western McKinley

Date: Oct-Dec 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 8750

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

OIL CONS. DIV DIST. 3

OCT 21 2015

Form C-141 Revised August 8, 2011

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

1220 S. St. Fran	ncis Dr., Santa	a Fe, NM 8750	5	S	anta Fe	NM 87	505				
			Rele	ease Notifi	cation	and C	orrective A	ction			
						OPERA	TOR	🗌 Init	ial Report	\boxtimes	Final Repor
Name of Co	ompany: V	Vestern Refi	ning Pipe	line, LLC.	0	Contact: K	elly Robinson				
Address: 1							No.: 505-632-4	166			
Facility Nat	me: East I	ine at MP-3	3		F	acility Ty	be: N/A				
Surface Ow	ner: Triba	al Allotted		Mineral (Owner: 1	NA		API N	o.: NA		
				LOCA	ATION	OF RE	LEASE				
Unit Letter SWNW	Section 15	Township 15N	Range 13W	Feet from the		outh Line	Feet from the	East/West Line	County		
Type of Rele Source of Re						OF REL Volume of Date and I	EASE f Release: 682 ba four of Occurren shortly before 1	ce: Date and	Recovered: 1 Hour of Di 6/30/2015 1	scovery	
Was Immedi	ate Notice (Yes 🗌	No 🗌 Not R	equired	If YES, To National F NMOCD, Bureau of USEPA R USEPA R PHMSA	Whom? Response Center Aztec District Of Indian Affairs egion 6		0/30/2013 1	.200	
By Whom? H	Kelly Robin	son and Dave	Richards			Date and I incident.	Hour: 6/30/2015	all notifications m	ade within 4	hours o	f the
Was a Water	course Read	ched?	Yes 🛛	No		If YES, V	olume Impacting	the Watercourse.			
If a Watercon	urse was Im	pacted, Descr	ibe Fully.*						1.1	1	

Describe Cause of Problem and Remedial Action Taken.*

At 1:20pm on June 30th, 2015, Western Refining Pipeline Control Center received a call reporting a line strike on the East Line between Hospah and Gallup. Western Control Room Operators immediately initiated the East Line shutdown procedures. The line strike was reported to have occurred near pipeline MP 33, near Smith Lake in McKinley County, NM.

Cause of Release:

It was reported that Navajo Nation DOT was using a road grader to grade the roadway when the line strike occurred. The road grader struck the Western pipeline, causing a release of crude oil from the pipeline. The Navajo Nation DOT personnel reported the incident immediately to their respective supervisor, who in-turn contacted Western Refining.

Response Action:

The control room shut down the pipeline and upstream and downstream valves were blocked in, minimizing the volume released. Western immediately initiated the Pipeline Emergency Response Procedures, and the Emergency Response Teams mobilized to the scene. Western Emergency Responders worked with Local Law Enforcement personnel who reported to the scene.

Describe Area Affected and Cleanup Action Taken.*

Area Affected

The line strike resulted in the release of approximately 682 barrels (based on meter readings) of crude oil to ground surface. Crude oil traveled south along the borrow ditch approximately 400 feet before traveling west under the roadway via an established storm water culvert. The spread of the oil west followed the surface contour of the ground surface, extending approximately 500 feet west of the roadway. The width of the overland spread varied from 1 ft to approximately 100 feet. Crude oil did not impact any active water sources.

Cleanup Actions Taken

On July 1st, 2015, Western initiated the remediation of impacted soil along the barrow ditch. Western continued to coordinate with local BIA, EPA, PHMSA, and NMOCD agency representatives providing periodic up-dates on clean-up progress. Representatives from all agencies did visit the site within 48-hours of the incident occurring. Clean-up standards for this event have been established by NMOCD. The clean-up standards follow the NMOCD "Guidelines for Remediation of Leaks, Spills and Releases" dated August 13, 1993 using these guidelines NMOCD set this sites ranking as 20.

On Monday, July 22nd, 2015, Western finished the cleanup effort. Approximately 4,464 cubic yards of crude impacted soil was excavated and hauled off to the Envirotech Landfarm for treatment. Confirmation and background samples were collected from the remediation site. Sample results confirmed that the NMOCD cleanup standards had been met (sample map included with C-141). NMOCD inspected the remediation site and granted Western permission f to backfill the area. Western restored the landscape and reseeded the area with an approved seed mixture (BLM sagebrush community).

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: Matthew Krakow	OIL CONSERVATION, Approved by Environmental Specialist:	SIVISION MARTIN
Title: Environmental Coordinator	Approval Date: 12/15/15 Expiration I	Seio-
E-mail Address: Matt. Krekow @WNR.com Date: 10/20/15 Phone: 505-632-4/69	Conditions of Approval:	Attached
Attach Additional Shoots If Nacassam	1538651	

13514 Roed 29
Dolores, CO 81323
Phone: (970) 565-8722

Custom Bulk Seed Mixture Analysis LOT NO: 2015.0575

Spec	ies: WESTERN F	REFINING				Variet	y: *BL	M SA	GEB	RUSH	COM	MUNITY		а в		
	Variety	CL	OR	PURE	INERT	CROP	WEED	Rstr	Nox	Live	PLS	Test Date	Bulk	LBS PI	SLBS	Pure %
USH	BOTTLEBRUSH		WA	92.63	7.19	0.00	0.18	NF.	NF	92	85,22	10/03/14	1	7.04	6	15.17
10.00	APPAR		WA	94.54	5.13	0.26	0.07	NF	NF	88	83.20	11/28/14		.6	.5	1.32

18 -17

75% inert: 7.18%	Crop: 0.0	11% Wee	d: 0.06%	Total:	100.00%								Grand Total	43.00	31.50)
WINTERFAT	VI	NS		NM -	91.86	8.11	0.03	0.00	NF	NF	- 66	60,63	02/18/15	6.6	4	14:05
WESTERN WHEATGRASS		RRIBA	C	WA	96.96	3.04	0.00	0:00	NF	Nr	202 -	91-14	00108/15	8 78	. 8	19,80
BLUE GRAMA		LMA	C	CO	78.64	21.31	-9.00	0,05	NF	NF	93	73.14	12/31/14	5.47	4	10.00
FOURWING SALTBUSH	SI	WNATIVE	1 . A.	CO	93.70	6.20	0.00	0.10	NF	NF .	46 .	43.10	06/22/15	9.28	4	20.23
SANDDROFSEED	> VI	NS .	S	CO	99.38	0.57 .	0.00	0.05	NF	NF	95 . ;	94 41	04/02/15	1.06	1	2.45
SMALL BURNET	D	ELAR	AL 12	OR	99.94	0.06	0.00	0.00	NF	NF	96	95.94	02/20/15	4.17	4	9.69
LEWIS FLAX	Al	PPAR		AVV.	94.54	5.13	0.26	0.07	NF	NF	88	83.20	11/28/14	.6	.5	1.32
SQUIRRELTAIL BOTTLEBR	SH BO	OTTLEBRUSH		VVA	92.63	7.19	0.00	0.18	NF.	NF	92	85,22	10/03/14	7.04	6	15.17
SOUR	ELTAIL BOTTI EPPI	ELTAIL BOTTLEBRUSH	ELTAIL BOTTI ERRUSH BOTTI ERRUSH	ELTAIL BOTTLEBRUSH BOTTLEBRUSH	ELTAIL BOTTLEBRUSH BOTTLEBRUSH MA	ELITAL BOTTI ERRISH BOTTI ERRISH MAA D2 62	ELITAL BOTTI EBPLICH BOTTI EBPLICH MAIA D2 62 7 10	PETAL BOTTI ERRISH BOTTI ERRISH MAA 02.62 7.10 0.00	PETAL BOTTI ERRISH BOTTI ERRISH MA DO 60 7 10 0.00 0.18		PETAL POTTI EPRISH BOTTI EPRISH NAM 02.62 7.10 0.00 0.18 NE NE	PETAL POTTI ERRISH BOTTI ERRISH NAM 02.62 7.10 0.00 0.19 NE NE 02		TAL DOTT ERDISH BOTT ERDISH MA 02 62 7 10 0.00 0.19 NE NE 02 95 22 10/02/14		

REMARK: 2 BAGS EACH CONTAINING 21.5 BULK #S (15.75 PLS #S) EACH TO SEED 1 ACRE

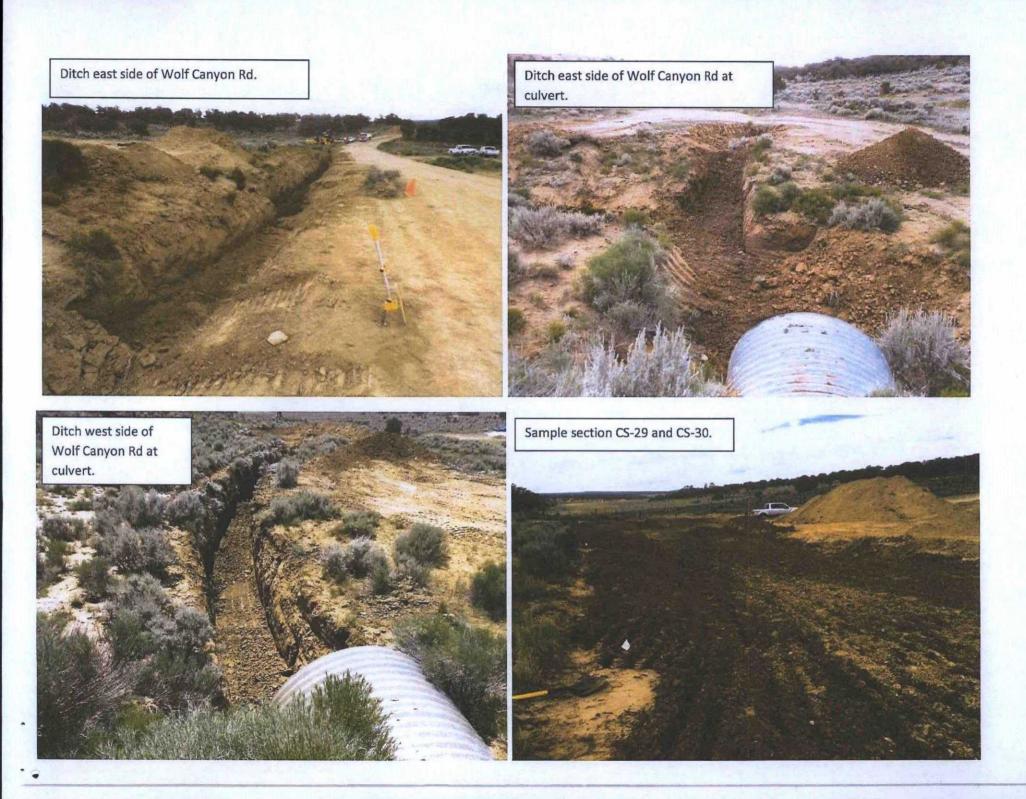
Noxious Weeds (seeds/lb):

SEED INC

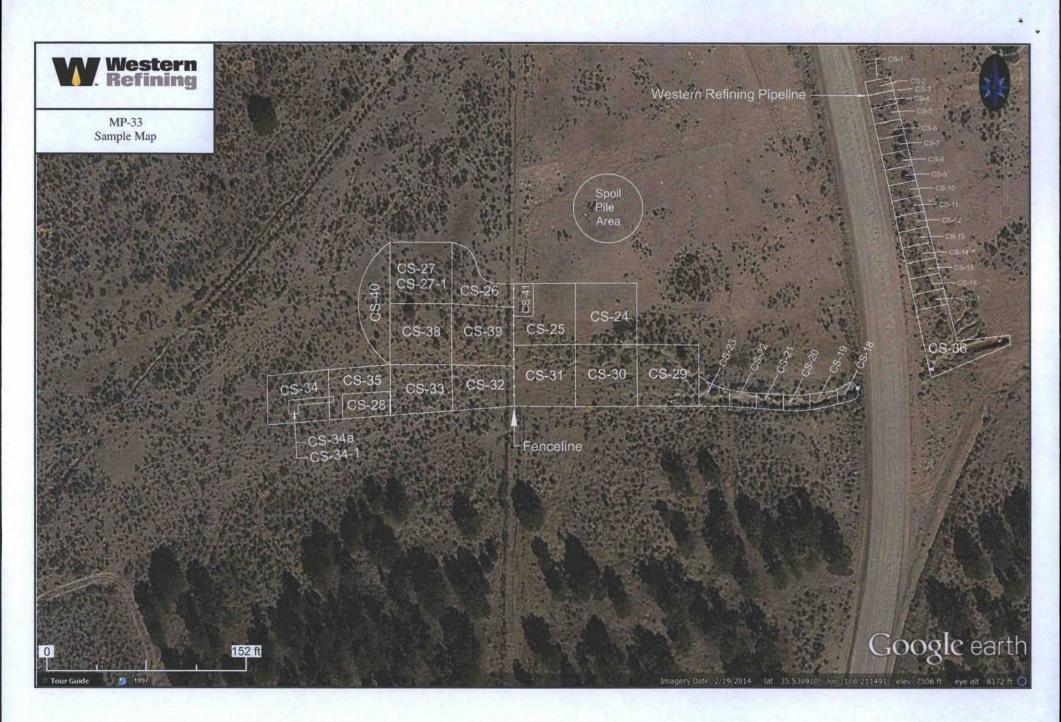
Lot No ... Species

TOTOCE OF DUVER. EXCLUSION OF WARRANTY IS HADE, expressed as emplosition to even to be been indered on temport processing as temport processing and the rest role of the second of the processing and the rest role of the rest. Seed not accepted to the field of the field of the rest role of the rest. Seed not accepted to the field of the rest role of the rest role of the rest role of the rest role of the rest. Seed not accepted to the field of the rest role of the rest role of the rest. Seed not accepted to the rest role of the rest role of the rest role of the rest. Seed not accepted to the rest role of the rest. Seed not accepted to the rest role of the role of the rest role of the rest role of the role of the rest role of the rest role of the rol

8/10/2015







Western Refining Pi	peline,LLC				
		MP-33 Spill - Sample Log			
Sample ID	Sample Date	Comments	PID Readings (ppm)	TPH(ppm)	BTEX(ppm)
CS-1	7/1/2015	base 4' below ground surface	13.5	ND	NR
CS-2	7/1/2015	barrow ditch end	14.5	ND	NR
CS-3	7/1/2015	base southside of WNR Pipeline	54.0	ND	NR
CS-4	7/1/2015	base 15' from pipeline	3.1	ND	NR
CS-5	7/1/2015	20' composite south of CS-4 sample	13.0	ND	NR
CS-6	7/1/2015	20' composite south of CS-5 sample	4.9	ND	NR
CS-7	7/1/2015	20' composite south of CS-6 sample	5.8	ND	NR
CS-8	7/1/2015	20' composite south of CS-7 sample	3.4	ND	NR
CS-9	7/1/2015	20' composite south of CS-8 sample	6.4	ND	NR
CS-10	7/1/2015	20' composite south of CS-9 sample	25.8	ND	NR
CS-11	7/1/2015	20' composite south of CS-10 sample	47.0	ND	NR
CS-12	7/1/2015	20' composite south of CS-11 sample	4.2	ND	NR
CS-13	7/1/2015	20' composite south of CS-12 sample	1.5	ND	NR
CS-14	7/1/2015	20' composite south of CS-13 sample	6.6	ND	NR
CS-15	7/1/2015	20' composite south of CS-14 sample	4.2	ND	NR
CS-16	7/1/2015	20' composite south of CS-15 sample	1.0	ND	NR
CS-17	7/1/2015	20' composite south of CS-16 sample	2.7	ND	NR
CS-18	7/2/2015	0-10' composite west of colvert	5.6	ND	NR
CS-19	7/2/2015	20' composite west of CS-18 sample	4.1	ND	NR
CS-20	7/2/2015	20' composite west of CS-19 sample	5.7	ND	NR
CS-21	7/2/2015	20' composite west of CS-20 sample	23.4	ND	NR
CS-22	7/2/2015	20' composite west of CS-21 sample	19.3	ND	NR
CS-23	7/2/2015	20' composite west of CS-22 sample	19.6	ND	NR
CS-24	7/9/2015	five point composite sample	65.0	ND	NR
CS-25	7/9/2015	five point composite sample	16.0	ND	NR
CS-26	7/13/2015	five point composite sample	52.1	ND	NR
CS-27	7/13/2015	five point composite sample	48.4	520.7	NR
CS-27-1	7/15/2015	five point CS-27 composite re-sample	23.0	ND	NR
CS-28	7/14/2015	five point composite sample	215.0	90.5	ND
CS-29	7/14/2015	five point composite sample	158.0	77.9	ND

Sample ID	Comple Data	Comments	PID Readings		
	Sample Date	Comments	(ppm)	TPH(ppm)	BTEX(ppm)
CS-30	7/15/2015	five point composite sample	12.0	11.8	NR
CS-31	7/15/2015	five point composite sample	203.0	52.2	ND
CS-32	7/17/2015	five point composite sample	6.8	ND	ND
CS-33	7/17/2015	five point composite sample	203.0	ND	ND
CS-34	7/17/2015	five point composite sample	9.5	ND	NR
CS-34a - Trench Bottom	7/17/2015	grab Sample	59.8	ND	NR
CS-34a - N. Trench Wall	7/17/2015	grab sample	35.1	290	NR
CS-34a - S. Trench Wall	7/17/2015	grab sample	7.9	ND	NR
CS-34 Bottom	7/17/2015	grab Sample	59.8	ND	NR
CS-34a -N	7/17/2015	grab Sample	42.7	ND	NR
CS-34a- E	7/17/2015	grab Sample	11.3	ND	NR
CS-34a- S	7/17/2015	grab Sample	11.4	ND	NR
CS-34a- W	7/17/2015	grab Sample	17.1	ND	NR
CS-34-1 N.Trench Wall	7/21/2015	CS-34a- North Trench re-sample	130.0	ND	ND
CS-35	7/17/2015	five point composite sample	50.1	ND	NR
CS-36	7/17/2015	five point composite sample	1.2	ND	ND
CS-37	7/17/2015	five point composite sample	4.5	ND	ND
CS-38	7/17/2015	five point composite sample	256.0	ND	ND
CS-39	7/17/2015	five point composite sample	261.0	89.2	ND
CS-40	7/17/2015	five point composite sample	48.9	ND	ND
CS-41	7/17/2015	five point composite sample	50.4	ND	ND
Spoil Pile Area	7/22/2015	five point composite sample	5.6	76.9	NR
NR - Not Required (PID rea	ding below 100 p	pm)			
ND - analyte Not Detected				1.	



Analytical Report

Report Summary

Client: Western Refining Pipeline Co. Chain Of Custody Number: 16174 & 16176 Samples Received: 7/2/2015 7:20:00AM Job Number: 08012-0001 Work Order: P507001 Project Name/Location: Smith Lake

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

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7/8/15

Date:

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Western Refining Pipeline Co.	Project Name:	Smith Lake	
PO Box 62558	Project Number:	08012-0001	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:16

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS #1	P507001-01A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #2	P507001-02A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #3	P507001-03A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #4	P507001-04A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #5	P507001-05A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #6	P507001-06A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #7	P507001-07A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #8	P507001-08A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #9	P507001-09A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #10	P507001-10A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #12	P507001-12A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #13	P507001-13A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #14	P507001-14A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #15	P507001-15A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #16	P507001-16A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.
CS #17	P507001-17A	Soil	07/01/15	07/02/15	Glass Jar, 4 oz.

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	Project Name: Smith Lake Project Number: 08012-0001 Project Manager: Kelly Robinson						Reported: 08-Jul-15 16:16		
			CS #1 01-01 (Se	olid)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Nonhalogenated Organics by 8015				1	have	1000	and the			
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	25.2	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D		
Surrogate: o-Terphenyl		99.3 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D		
Surrogate: 4-Bromochlorobenzene-FID		94.6 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D		

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Project Name:Smith LakeProject Number:08012-0001Project Manager:Kelly Robinson							Reported: 08-Jul-15 16	
			CS #2 01-02 (Sc	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015	1.1.1							1.17	2.15
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.1	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		111 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.7 %	50-	-150	1527019	07/02/15	07/06/15	EPA 8015D	1.20

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	58 Project Number: 08012-0001						Reported: 08-Jul-15 16		
			CS #3 01-03 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015				als.	- 1				
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.4	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		109 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		95.0 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Project N Project N Project M	umber:	0801	h Lake 2-0001 7 Robinson				Reported: 08-Jul-15 16	
			CS #4 P507001-04 (Solid)						
		Reporting					1.1		
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	24.8	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		99.1 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.3 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	t Name: t Number: t Manager:	0801	h Lake 2-0001 7 Robinson				Reported: 08-Jul-15 16	
			CS #5 01-05 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							19 M.		
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		105 %	. 50	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.8 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Project Name: Project Number: Project Manager:		0801	Smith Lake 08012-0001 Kelly Robinson				Reported: 08-Jul-15 16:	16
			CS #6 2507001-06 (Solid)						
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		107 %	50-	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		95.2 %	50-	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	0801	h Lake 2-0001 7 Robinson	÷			Reported: 08-Jul-15 16	
			CS #7 01-07 (So	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015				1.1					
Gasoline Range Organics (C6-C10)	ND	9.97	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		109 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.8 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec Projec Projec	Reported: 08-Jul-15 16:16							
			CS #8 01-08 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015					181				
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	1.1
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		101 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.0 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	Smith Lake 08012-0001 Kelly Robinson					Reported: 08-Jul-15 16	
			CS #9 01-09 (Sc	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		103 %	50-	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.0 %	50-	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	0801	h Lake 2-0001 y Robinson				Reported: 08-Jul-15 16	
			CS #10 01-10 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								1 Acres	the
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		110 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	1.1
Surrogate: 4-Bromochlorobenzene-FID		94.4 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	- 6. C

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	Smith Lake 08012-0001 Kelly Robinson					Reported: 08-Jul-15 16	
			CS #12 01-12 (Sc	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.97	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		107 %	50-	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.6 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	0801	h Lake 2-0001 y Robinson				Reported: 08-Jul-15 16	
			CS #13 01-13 (Se	#13 13 (Solid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								1.1.1	La de
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		98.3 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.1 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec Projec Projec		Reported: 08-Jul-15 16						
			CS #14 01-14 (So	S #14 1-14 (Solid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								1.00	
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		98.9 %	50-	-200	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.3 %	50-	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Project Name:Smith LakeProject Number:08012-0001Project Manager:Kelly Robinson								:16
			CS #15 P507001-15 (Solid)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015	1.000							1	
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/02/15	EPA 8015D	
Surrogate: o-Terphenyl		97.2 %	50	-200	1527022	07/02/15	07/02/15	EPA 8015D	11-2
Surrogate: 4-Bromochlorobenzene-FID		93.8 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	t Name: t Number: t Manager:		Reported: 08-Jul-15 16					
			CS #16 01-16 (Sc	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015			1.1					1000	
Gasoline Range Organics (C6-C10)	ND	9.97	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1527022	07/02/15	07/03/15	EPA 8015D	
Surrogate: o-Terphenyl		87.6 %	50	-200	1527022	07/02/15	07/03/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.3 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec Projec Projec		Reported: 08-Jul-15 16						
			CS #17 01-17 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								and the second	S. S.
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1527019	07/02/15	07/06/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg	1	1527022	07/02/15	07/03/15	EPA 8015D	
Surrogate: o-Terphenyl		86.4 %	50	-200	1527022	07/02/15	07/03/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		94.7 %	50	-150	1527019	07/02/15	07/06/15	EPA 8015D	16. C

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Western Refining Pipeline Co.	Project Name:	Smith Lake	
PO Box 62558	Project Number:	08012-0001	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:16

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory Reporting Spike Source %REC RPD Limit Analyte Result Limit Units Level Result %REC Limits RPD Notes Batch 1527019 - Purge and Trap EPA 5030A Blank (1527019-BLK1) Prepared: 02-Jul-15 Analyzed: 07-Jul-15 Gasoline Range Organics (C6-C10) ND 9.99 mg/kg 0.294 50-150 Surrogate: 4-Bromochlorobenzene-FID 0.320 91.9 LCS (1527019-BS1) Prepared: 02-Jul-15 Analyzed: 07-Jul-15 LCS1 Gasoline Range Organics (C6-C10) 291 9.97 mg/kg 367 79.4 80-120 0.296 0.319 50-150 Surrogate: 4-Bromochlorobenzene-FID 92.6 Matrix Spike (1527019-MS2) Source: P507001-01 Prepared: 02-Jul-15 Analyzed: 08-Jul-15 Gasoline Range Organics (C6-C10) 9.98 367 ND 112 75-125 413 mg/kg Surrogate: 4-Bromochlorobenzene-FID 0.283 0.319 88.6 50-150 Source: P507001-01 Prepared: 02-Jul-15 Analyzed: 08-Jul-15 Matrix Spike Dup (1527019-MSD2) Gasoline Range Organics (C6-C10) 297 10.0 368 ND 80.8 75-125 32.6 15 mg/kg 0.320 50-150 Surrogate: 4-Bromochlorobenzene-FID 0.285 89.3

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Western Refining Pipeline Co.	Project Name:	Smith Lake	States States
PO Box 62558	Project Number:	08012-0001	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:16

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

	Dent	Reporting	17.14	Spike	Source	NIDEC	%REC	DDD	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1527022 - DRO Extraction EPA 3550M									100	164
Blank (1527022-BLK1)		1.		Prepared &	Analyzed:	02-Jul-15				22
Diesel Range Organics (C10-C28)	ND	25.3	mg/kg							
Surrogate: o-Terphenyl	76.9			40.5		190	50-200		1.1	1.
LCS (1527022-BS1)				Prepared &	Analyzed:	02-Jul-15				1.
Diesel Range Organics (C10-C28)	583	25.3	mg/kg	506		115	38-132			
Surrogate: o-Terphenyl	54.7		**	40.4		135	50-200		-	- X
Matrix Spike (1527022-MS1)	Sou	rce: P507001-	01	Prepared &	Analyzed:	02-Jul-15				
Diesel Range Organics (C10-C28)	550	25.2	mg/kg	505	ND	109	38-132		1.1	1
Surrogate: o-Terphenyl	47.7		"	40.4		118	50-200		1000	3.8 3
Matrix Spike Dup (1527022-MSD1)	Sou	rce: P507001-	01	Prepared &	Analyzed:	02-Jul-15				-
Diesel Range Organics (C10-C28)	542	25.3	mg/kg	506	ND	107	38-132	1.42	20	199
Surrogate: o-Terphenyl	48.8		"	40.5		121	50-200			1

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Western Refining Pipeline Co.	Project Name:	Smith Lake	
PO Box 62558	Project Number:	08012-0001	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:16

Notes and Definitions

LCS1The Laboratory Control Sample recovery is outside of quality control limits.D1Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.DETAnalyte DETECTEDNDAnalyte NOT DETECTED at or above the reporting limitNRNot ReporteddrySample results reported on a dry weight basisRPDRelative Percent Difference

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Client: Project Name / Location: WESTERN REFINING SMITH LAKE											A	NALY	YSIS	/ PA	RAMI	ETER	S					
Email results to: KELLY . ROBINST	N CWN		Name:	COBINSON	ر			8015)	8021)	8260)	10				-		1					
Client Phone No.: SDS-632-4	166	Cli	ent No.: D801	2-0001				TPH (Method 8	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE				e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers		HCI	ve	TPH (A	BTEX	VOC (I	RCRA	Cation	RCI	TCLP	CO Tal	TPH (418.1)	CHLORIDE				Sample	Sampl
CS#1	7-1-15	9:00	P507001-01	(1) 4oz				Х												1	\langle	Y
CS # 2	7-1-15	9115	- 02	(1) Hoz				Х														1
CS#3	7-1-15	9:26	-03	(1)4oz				X														
C 5 # 4	7-1-15	9:46		(1) 4oz				Х														
CS#5	7-1-15	10:14	-05		Х								H									
Cs#6	7-1-15	10:25		(1)40z				X						-								
CS#7	7-1-15	10:34		(1) 4oz				X														
Cs # 8	7-1-15	10:41	-08	(1) 40z				X														T
C5#9	7-1-15	10 = 44		C &				X				-										T
Cs #10	7-1-15	10:50		(1) 4oz				X														T
Relinquished by: (Signature)	ausa	C		Date Time 7-z-/5 5:0		ived by	y: (Si	gnati	nje)	1									7/2	ate	Tir 51	
Relinquished by: (Signatore)				7/2/15 720	Rece	ived by	y: (Si	gnati K	ure)										TK,	15	7.	20
Sample Matrix Soil Solid Sludge	Aqueous [] Other 🗌								_			_									
Sample(s) dropped off after			E	env				1				7F		*		22	3		of a	2		
2/32 02 Highway 6	et * raimingi	on, NM 8/40	1 • 505-632-0615 • 1	mee springs • 65	Merca	uo sire	191, 31	lite I	13-12	urang	10. C	0 813		0000	aton	reen	VITOTO		Pa an juan re	ge 2		

Client: WESTERN REANING Project Name / Location: Smith Lake Email results to: Sampler Name:											AN	VALY	SIS	/ PAF	RAME	TERS				
N CWN	R.COM			e		DOLEY	(0100	18021)	8260)	s				1						
حاحاا	Cli	ent No.: 0801	2-0001			hottoh	nemod	(Method	Method	8 Metal	/ Anion		with H/F	ble 910-	418.1)	RIDE			e Cool	Sample Intact
Sample Date	Sample Time	Lab No.	No./Volume of Containers			e UDT		BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (CHLO			Sampl	Samp
7-1-15	1300	P507001-01	(1) 40Z			>	<						-		-				Y	Y
7-1-15	1445	-12	(1) 402)	X													1
7-1-15	- 1500	-13	(1) 402				X													
7-1-15	1530	-14	(1) 402)	\langle													
7-1-15	1545	-15		>	X															
7-1-15	1635	-16		X	$\langle $															
7-1-15	1650	-17	(1) 402				X	_	_	_		_					-		T	1
500		-			ved by	r: (Sign	natur	9)	A									Date 7/2/15		ime Jou
Aquipour	Other		7/2/15 720															7 2/15	7:	20
r hours to see	cure drop o	ff area.		40 ir C		ec	h	zin /		4	S	A	P	5				2 of	2	
	Aqueous Aqueous Aqueous r hours to sec	Sample Sample Sample Sample Date Time 7-1-15 1300 7-1-15 1500 7-1-15 1550 7-1-15 1545 7-1-15 1635 7-1-15 1635 7-1-15 1650 SDM Aqueous Other Other r hours to secure drop or	Sampler Name: Sampler Name: ILGG Client No.: 08/01 Sample Sample Lab No. 7-1-15 I300 P507001-01 7-1-15 I500 -12 7-1-15 I500 -13 7-1-15 I500 -14 7-1-15 I530 -14 7-1-15 I545 -15 7-1-15 I635 -14 7-1-15 I635 -16 7-1-15 I635 -17 7-1-15 I650 -17 7 I650 -17 7 I650 -17 7 I650 -17 7 I650 -17 8 I650 I650 8 I66 I66	Sampler Name: Robinstration Client No.: 08/012-0001 Sample Sample The Lab No. No./Volume of Containers 7-1-15 1300 PE07001-01 (1) Hoz 7-1-15 1300 7-1-15 1500 -12 (1) Hoz 7-1-15 1500 -12 (1) Hoz 7-1-15 1500 -14 (1) Hoz 7-1-15 1530 7-1-15 1545 -15 (1) Hoz 7-1-15 1635 7-1-15 1635 7-1-15 1635 7-1-15 1635 7-1-15 1650 7-1-15 1650 7-2-15 5:00 7/2/15 720 Aqueous Other rhours to secure drop off area. Cenv	Sampler Name: Robinske ILGG KELL, Robinske Client No.: $08'012 - 0001$ Sample Sample Lab No. No.Volume Of Containers HNOS 7-1-15 I300 Jate Time Lab No. No.Volume 7-1-15 I300 P507001-#I (1) Hoz 7-1-15 I500 -12 (1) Hoz 7-1-15 I500 7-1-15 I530 7-1-15 I635 7-1-15 I635 -11 (1) Hoz 7-1-15 I635 7-1-15 I635 -11 (1) Hoz 7-1-15 I635 -12 (1) Hoz 7-1-15 I635 -16 (1) Hoz 7-1-15 I635 -17 (1) Hoz 7-2-15 S:00 7/2/15 720 Aqueous Other rhours to secure drop off area. Centric Cancivic condite in thoure in the intext of the intext of the intex	Sampler Name: Robinstr N C WNR.con KEW, Robinstr Client No.: 08/012-0001 Sample Sample Date Time Lab No. No./Volume of Containers HNO3 HOI 7-1-15 1300 7-1-15 1300 7-1-15 1445 7-1-15 1500 -12 (1) 7-1-15 1500 -13 (1) 7-1-15 1530 7-1-15 1530 7-1-15 1635 7-1-15 1635 7-1-15 1635 7-1-15 1635 7-1-15 1635 7-1-15 1635 7-1-15 1635 7-2-15 5:0 M 7/2/3 SM 7/2/3 7/2/3 Received by 12/3 720 Received by 1/2/3 14/3 720 Received by 1/2/3 1/2/3 720 Received by <td>Sampler Name: Refu Reginstructure IGG Client No:: 08/012-0001 Sample Sample Lab No. No./Volume Preservative Date Time Lab No. No./Volume Preservative 7-1-15 1300 P507001-#1 (1) Hoz ////////////////////////////////////</td> <td>Sampler Name: Reput Reput</td> <td>Sampler Name: Кеш, Ковіляви Говорочни Хала ILGG Client No.: 08/012-0001 Ревелятие Sample Sample Lab No. No./Volume Preservative 7-1-15 1300 P507001-#1 (1) Hoz X 7-1-15 1300 P507001-#1 (1) Hoz X 7-1-15 1300 P507001-#1 (1) Hoz X 7-1-15 1500 -12 (1) Hoz X 7-1-15 1500 -13 (1) Hoz X 7-1-15 1530 -14 (1) Hoz X 7-1-15 1635 -16 (1) Hoz X 7-1-15 1635 -17 (1) Hoz X 7-1-15 1637 -17 (1) Hoz X 72-15 S:0 Mu 10</td> <td>Sampler Name: RoBINSM (500 000 000 000 000 000 000 000 000 000</td> <td>Sampler Name: RoBINSM (50 000 pupul) Client No.: 08/012-0001 (50 000 pupul) Sample Sample Lab No. No./Volume Preservative Date Time Lab No. No./Volume Preservative HU 7-1-15 1300 P507001-11 (1) Hoz X X X 7-1-15 1300 P507001-11 (1) Hoz X X X 7-1-15 1500 -12 (1) Hoz X X X 7-1-15 1550 -13 (1) Hoz X X X 7-1-15 1530 -14 (1) Hoz X X X 7-1-15 1635 -16 (1) Hoz X X X 7-1-15 1635 -16 (1) Hoz X X X 7-1-15 1635 -16 (1) Hoz X X X 7-1-15 1635 -17 (1) Hoz X X X 7-1-15 1635 -17 (1) Hoz X X <td< td=""><td>Sampler Name: KELL, ROBINSK ISO 000 put will and the second of the</td><td>Sampler Name: KELW, RoBINSK Iso 000 2 - 000 1 Client No:: 08/01 2 - 000 1 Iso 000 000 000 000 000 000 000 000 000 0</td><td>Sampler Name: RobinSter (1000000000000000000000000000000000000</td><td>Sampler Name: RobinStar (500 000 put u) group and u) ILGG Client No:: 08/01 2 - 000 1 (500 put u) 000 put u</td><td>Sampler Name: Repuised Repuised Sampler Name: Sampler Name:</td><td>Sampler Name: Kelu, Robinski ILGE Client No.: 05/012 - 0001 Sample Sample Date Time 7-1-15 ISBO P507001-11 11/1-15 ISBO P507001-11 12/1-15 ISBO P507001-11 13/1-15 ISBO P507001-11 10/1-15 ISBO P507001-11 11/1-15 ISBO P507001-11 12/1-15 ISBO P507001-11 13/1-15 ISBO P507001-11 14/15 -12 12/1-15 ISBO P507001-11 13/1-15 ISBO P507001-11 14/15 -12 15/15 -12 15/15 -12 15/15 -15 15/15 -16 15/15 -16 15/15 -16 15/15 -17 15/15 -16 15/15 -17 15/15 -16</td><td>Sampler Name: KELL, RoBINSK (1000000000000000000000000000000000000</td><td>Sampler Name: Regination Regination</td><td>Sample Sample Lab No. No. Volume Preservative If If<!--</td--></td></td<></td>	Sampler Name: Refu Reginstructure IGG Client No:: 08/012-0001 Sample Sample Lab No. No./Volume Preservative Date Time Lab No. No./Volume Preservative 7-1-15 1300 P507001-#1 (1) Hoz ////////////////////////////////////	Sampler Name: Reput Reput	Sampler Name: Кеш, Ковіляви Говорочни Хала ILGG Client No.: 08/012-0001 Ревелятие Sample Sample Lab No. No./Volume Preservative 7-1-15 1300 P507001-#1 (1) Hoz X 7-1-15 1300 P507001-#1 (1) Hoz X 7-1-15 1300 P507001-#1 (1) Hoz X 7-1-15 1500 -12 (1) Hoz X 7-1-15 1500 -13 (1) Hoz X 7-1-15 1530 -14 (1) Hoz X 7-1-15 1635 -16 (1) Hoz X 7-1-15 1635 -17 (1) Hoz X 7-1-15 1637 -17 (1) Hoz X 72-15 S:0 Mu 10	Sampler Name: RoBINSM (500 000 000 000 000 000 000 000 000 000	Sampler Name: RoBINSM (50 000 pupul) Client No.: 08/012-0001 (50 000 pupul) Sample Sample Lab No. No./Volume Preservative Date Time Lab No. No./Volume Preservative HU 7-1-15 1300 P507001-11 (1) Hoz X X X 7-1-15 1300 P507001-11 (1) Hoz X X X 7-1-15 1500 -12 (1) Hoz X X X 7-1-15 1550 -13 (1) Hoz X X X 7-1-15 1530 -14 (1) Hoz X X X 7-1-15 1635 -16 (1) Hoz X X X 7-1-15 1635 -16 (1) Hoz X X X 7-1-15 1635 -16 (1) Hoz X X X 7-1-15 1635 -17 (1) Hoz X X X 7-1-15 1635 -17 (1) Hoz X X <td< td=""><td>Sampler Name: KELL, ROBINSK ISO 000 put will and the second of the</td><td>Sampler Name: KELW, RoBINSK Iso 000 2 - 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000 1 Client No:: 08/01 2 - 000 1 Iso 000 000 000 000 000 000 000 000 000 0	Sampler Name: RobinSter (1000000000000000000000000000000000000	Sampler Name: RobinStar (500 000 put u) group and u) ILGG Client No:: 08/01 2 - 000 1 (500 put u) 000 put u	Sampler Name: Repuised Repuised Sampler Name: Sampler Name:	Sampler Name: Kelu, Robinski ILGE Client No.: 05/012 - 0001 Sample Sample Date Time 7-1-15 ISBO P507001-11 11/1-15 ISBO P507001-11 12/1-15 ISBO P507001-11 13/1-15 ISBO P507001-11 10/1-15 ISBO P507001-11 11/1-15 ISBO P507001-11 12/1-15 ISBO P507001-11 13/1-15 ISBO P507001-11 14/15 -12 12/1-15 ISBO P507001-11 13/1-15 ISBO P507001-11 14/15 -12 15/15 -12 15/15 -12 15/15 -15 15/15 -16 15/15 -16 15/15 -16 15/15 -17 15/15 -16 15/15 -17 15/15 -16	Sampler Name: KELL, RoBINSK (1000000000000000000000000000000000000	Sampler Name: Regination Regination	Sample Sample Lab No. No. Volume Preservative If If </td

WESTERN REFI	bject Name / Location								A	NALY	YSIS	/ PAF	RAME	ETER	s					
Email results to: KELLY . ROBINSO	NOWN		MILELLY R	OBINSON	,		8015)	8021)	8260)	0				-			han-			
Client Phone No.: SDS-632-4	166	Cli	ent No.: D801	2-0001	10		TPH (Method 8	BTEX (Method 8021	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	(18.1)	BUDE	10	R	e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	_	HCI	TPH (A	BTEX	VOC (I	RCRA	Cation	RCI	TCLP	CO Tat	TPH (418.1)	CHLORIDE	E.	1215	Sample Cool	Sample
CS#1	7-1-15	9:00	P507001-01	(1) 4oz			X										X	14	X	Y
CS # Z	7-1-15	9:15	- 02	(1) 4oz			X										X	12	1	1
CS#3	7-1-15	9:26	-03	(1)40z			X										X	Per		
C 5 # 4	7-1-15	9:46	-124	(1) 4oz		X										X	repr			
CS#5	7-1-15	10:14		(1) 402			X										X	C.N		
CS#6	7-1-15	10:25	-06	(1)40Z			×	X I	Ú.								X			
CS#7	7-1-15	10:34	- 67	(1) 4oz			×	(X			
Cs # 8	7-1-15	10:41	-08	(1) 40z	1		X	(X			T
C5#9	7-1-15	10 = 44	11000	() 40z			X	<									X		Π	T
Cs #10	7-1-15	10:50	-10	(1) 40z			X	(X		L	T
	ausa	C	2.14	Date Time 7-z-/5 5:0		ived by:	(Signa	ituge)	4	_								Date 7/2	Tin 510	
Relinquished by: (Signatore)				7/2/15 720	Rece	ived by:	(Signa	iture)										71415	7:	20
Sample Matrix Soil 🖉 Solid 🗆 Sludge 🗌	Aqueous [] Other 🗌	and a set						_		_	_								
X Sample(s) dropped off after	r hours to see	cure drop o	f area.	env	irc		Corato	h	A	SI	4F	>	*		202		2.3	3.1 f2		
5795 US Highway 6	4 • Farmingto	on, NM 8740	1 • 505-632-0615 • T	hree Springs • 65	Merca	do Street	t, Suite	115.6	uran	90, C	0 813	301 •	Jobol	ratory	een	virote	ch-inc	Page		

Client: WESTERN RE	EFINING	Pr	SmiTH									A	NALY	/SIS	/ PAF	RAMI	ETER	as (
Email results to: KELLY, ROBINS	ONCWN		1	ROBINS	on		00151	leine	18021)	8260)	S							P. USH	1	M		
Client Phone No.: 505 - 632 - 4	حاحاا	CI		2-0001			Anthod		BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE		12 21	WA/	Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Pr HNO3	eservative HCI	TDU A		BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (418.1)	CHLORIDE	A H	2/4:	14 2	Sampl	Sampl
Cs#11	7-1-15	1300	P507001-01	(1) 40Z			>	<										X	HH	X J	Y	Y
C5#12	7-1-15	1445	-12	(1) 402			>	X										X	R	110		1
CS#13	7-1-15	- 1500	-13	(1) 402				X						Ļ				X	the second	21.02		
CS#14	7-1-15	1530	-14	(1) 402)	\langle										X	ALA	2		
C5#15	7-1-15	1545	>	K.										X								
C 5#16	7-1-15	1635	-16	(1) 40z			X	$\langle $				_						X				
CS#17	7-1-15	1650	-17	(1) 402				X	-	_	-							X			T	1
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Relinquished by: (Signature)			_	7/2/15 720		ived by:		atur B	e) zi			_		_					1	1/2/15	- 7:	20
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X Sample(s) dropped off afte			E	env				1			A	S	A	P)			l o f	2	
5795 US Highway	64 • Farmingto	on, NM 874	01 • 505-632-0615 • 1	hree Springs = 65 M	Aerca	do Stree	et, Suite	e 115	5, Di	Jund	0, 0	0 813	801 ·	labo	raton	@en	virote		_	Page n reprodu		

Client: WESTERN RE	FINING	Pro	SmiTH		E				*				A	NAL	YSIS	/ PAI	RAMI	ETER	RS (2		
Email results to: KELLY, ROBINS	ON CWN	Sa R.Com	molar Nama			e			3015)	8021)	8260)	S				-			P. Urt	1	N		
Client Phone No.: SDS - 632 - 4	Phone No.: SDS - 632 - 4166 Sample Sample								TPH (Method 8015)	BTEX (Method 8021	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE	T	24 51	SYZ/	e Cool	Sample Intact
Sample No./ Identification			Lab No.			-	HCI	e	TPH (N	111111111				RCI	1.0		TPH (418.1)	CHLORIDE	112	2/2	1 1	Sample Cool	Sample
CS#11	7-1-15	1300	P507001-01	(1)	402			- 7	X	-	Clif	ut LK	60	ne	sdr P1 i	rect	tell	Y	×	HP	N.C	Y	Y
CS#12	7-1-15	1445	-12	CS	402			,	X		TF)	4/	157	Z					*	H	1 10		1
CS#13	7-1-15	- 1500	-13	(1)	402			j	X					- 1					X	24	121.00		
CS#14	7-1-15	1530	-14	(1)	402			1	X			1							X	Alle	2		
C5#15	7-1-15	1545	-15	(1)	4oz												X	-					
C5#16	7-1-15	1635	-16	16 (1) 402 X												X							
CS#17	7-1-15	1650	-17	0	402			,	X										X			T	1
												-						1					
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Relinquished by: (Signature)				Telis	700	Recei	ived by	: (Sigr	natu 13	re)										7	12/15	- 7:	20
Sample Matrix Soil 🙀 Solid 🗆 Sludge 🗌	Aqueous 🗌	Other 🗌				ł		0		~													
Sample(s) dropped off after	hours to sec	cure drop of	farea.	30	env	iro		ec	h	(A	S	A	P	\sum	/)		0	of	2	4
5795 US Highway 6	4 • Farmingto	on, NM 8740	1 • 505-632-0615 • 1	Three Sp	rings • 65 M	erca	do Stree	et, Suit	e 11	5, D	Tang	0. C	0 813	301 •	labo	raton	/@en	virote	ch-in	-	Page		of 26



Analytical Report

Report Summary

Client: Western Refining Pipeline Co. Chain Of Custody Number: 16180 Samples Received: 7/6/2015 8:20:00AM Job Number: 96012-0115 Work Order: P507007 Project Name/Location: Smith Lake

Date: 7/8/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Pipeline Co.	Project Name:	Smith Lake	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:30

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS #18	P507007-01A	Soil	07/02/15	07/06/15	Glass Jar, 4 oz.
CS #19	P507007-02A	Soil	07/02/15	07/06/15	Glass Jar, 4 oz.
CS #20	P507007-03A	Soil	07/02/15	07/06/15	Glass Jar, 4 oz.
CS #21	P507007-04A	Soil	07/02/15	07/06/15	Glass Jar, 4 oz.
CS #22	P507007-05A	Soil	07/02/15	07/06/15	Glass Jar, 4 oz.
CS #23	P507007-06A	Soil	07/02/15	07/06/15	Glass Jar, 4 oz.
CS #11	P507007-07A	Soil	07/02/15	07/06/15	Glass Jar, 4 oz.

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	9601	h Lake 2-0115 7 Robinson				Reported: 08-Jul-15 16	
			CS #18 07-01 (Sc	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							3.41		
Gasoline Range Organics (C6-C10)	ND	9.80	mg/kg	1	1528002	07/06/15	07/07/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.8	mg/kg	1	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: o-Terphenyl		94.3 %	50	-200	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		93.1 %	50	-150	1528002	07/06/15	07/07/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	t Name: t Number: t Manager:	9601	h Lake 2-0115 y Robinson				Reported: 08-Jul-15 16	
			CS #19 07-02 (Se	olid)					
Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.4	mg/kg	1	1528002	07/06/15	07/07/15	EPA 8015D	199
Diesel Range Organics (C10-C28)	ND	25.5	mg/kg	1	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: o-Terphenyl		98.6 %	50	-200	1528001	07/06/15	07/07/15	EPA 8015D	12 - 10 -
Surrogate: 4-Bromochlorobenzene-FID		93.7 %	50	-150	1528002	07/06/15	07/07/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	9601	h Lake 2-0115 7 Robinson			- 1 	Reported: 08-Jul-15 16	
			CS #20 07-03 (So	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.62	mg/kg	1	1528002	07/06/15	07/07/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.2	mg/kg	1	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: o-Terphenyl		100 %	50-	-200	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		92.8 %	50-	-150	1528002	07/06/15	07/07/15	EPA 8015D	

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Page 5 of 14

Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	t Name: t Number: t Manager:	9601	h Lake 2-0115 7 Robinson				Reported: 08-Jul-15 16	
			CS #21 07-04 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								and states	C
Gasoline Range Organics (C6-C10)	ND	10.1	mg/kg	1	1528002	07/06/15	07/07/15	EPA 8015D	1.1.1
Diesel Range Organics (C10-C28)	ND	25.5	mg/kg	1	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: o-Terphenyl		95.4 %	50	-200	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		93.7 %	50	-150	1528002	07/06/15	07/07/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	t Name: t Number: t Manager:	9601	h Lake 2-0115 y Robinson				Reported: 08-Jul-15 16	
			CS #22 07-05 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1528002	07/06/15	07/07/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	23.6	mg/kg	0.9	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: o-Terphenyl		111 %	50	-200	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		92.6 %	50	-150	1528002	07/06/15	07/07/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	9601	h Lake 2-0115 y Robinson				Reported: 08-Jul-15 16	
			CS #23 07-06 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								1.1.2	
Gasoline Range Organics (C6-C10)	ND	10.8	mg/kg	1	1528002	07/06/15	07/07/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: o-Terphenyl		97.2 %	50	-200	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		93.2 %	50	-150	1528002	07/06/15	07/07/15	EPA 8015D	

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	9601	h Lake 2-0115 / Robinson				Reported: 08-Jul-15 16	
			CS #11 07-07 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							1917		
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1528002	07/06/15	07/07/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	32.8	mg/kg	1	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: o-Terphenyl		97.8 %	50	-200	1528001	07/06/15	07/07/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		93.5 %	50	-150	1528002	07/06/15	07/07/15	EPA 8015D	

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Western Refining Pipeline Co.	Project Name:	Smith Lake	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:30

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1528001 - DRO Extraction EPA 3550	M									de.
Blank (1528001-BLK1)				Prepared: ()6-Jul-15 A	nalyzed: 0	7-Jul-15			2.1
Diesel Range Organics (C10-C28)	ND	23.6	mg/kg							
Surrogate: o-Terphenyl	29.2		"	37.8		77.3	50-200			des
LCS (1528001-BS1)				Prepared: (6-Jul-15 A	nalyzed: 0'	7-Jul-15			
Diesel Range Organics (C10-C28)	348	24.2	mg/kg	484		71.9	38-132			
Surrogate: o-Terphenyl	31.3			38.7		80.9	50-200			
Matrix Spike (1528001-MS1)	Sou	rce: P506093-	01	Prepared: 0	6-Jul-15 A	nalyzed: 0'	7-Jul-15			
Diesel Range Organics (C10-C28)	424	24.2	mg/kg	483	ND	87.8	38-132			
Surrogate: o-Terphenyl	39.7		н	38.7		103	50-200			in.
Matrix Spike Dup (1528001-MSD1)	Sou	rce: P506093-	01	Prepared: 0	6-Jul-15 A	nalyzed: 07	7-Jul-15			
Diesel Range Organics (C10-C28)	173	23.2	mg/kg	162	ND	107	38-132	84.0	20	D1
Surrogate: o-Terphenyl	38.2		"	37.1		103	50-200			

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Western Refining Pipeline Co.	Project Name:	Smith Lake	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:30

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1528002 - Purge and Trap EPA 5030A										
Blank (1528002-BLK1)				Prepared: 0	6-Jul-15 A	nalyzed: 0'	7-Jul-15			
Gasoline Range Organics (C6-C10)	ND	9.17	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.266		"	0.293		90.5	50-150			
LCS (1528002-BS1)				Prepared: 0	6-Jul-15 A	nalyzed: 0	7-Jul-15			
Gasoline Range Organics (C6-C10)	390	9.84	mg/kg	362		108	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.289		"	0.315		91.7	50-150			
Matrix Spike (1528002-MS1)	Sou	rce: P506093-	01	Prepared: 0	6-Jul-15 A	nalyzed: 0'	7-Jul-15			
Gasoline Range Organics (C6-C10)	443	10.3	mg/kg	378	41.8	106	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.305		**	0.328		92.9	50-150			
Matrix Spike Dup (1528002-MSD1)	Sou	rce: P506093-	01	Prepared: 0	6-Jul-15 A	nalyzed: 0'	7-Jul-15			
Gasoline Range Organics (C6-C10)	407	9.52	mg/kg	350	41.8	104	75-125	8.39	15	
Surrogate: 4-Bromochlorobenzene-FID	0.283		"	0.305		92.8	50-150			

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Notes and Definitions									
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	08-Jul-15 16:30						
PO Box 62558	Project Number:	96012-0115	Reported:						
Western Refining Pipeline Co.	Project Name:	Smith Lake							

D1	Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.	
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	

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CHAIN OF CUSTODY RECORD

16180

Client: WESTERN RE	WESTERN REFINING Project Name / Location: WESTERN REFINING SMITH LAKE - MP33						,	İ				A	NALY	/SIS	/ PAF	RAME	ETER	S				
Email results tor Kelly, Robinson	Cwnr.	Sar	npler Name:	2	1.1	1.11			8015)	1 8021)	8260)	S										
Cilient Phone No.: (SDS) 801-56	16	Clie	nt No.: 9401	2-01	115				TPH (Method I	BTEX (Method 8021)	(Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	TPH (418.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume Intainers	Pr HNO ₃	eservativ HCI	e	HdT ()	BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (CHLORIDE			Sampl	Sampl
CS#18			P507007-01	402	jar			-	X			_			1						Y	Y
CS# 19	7/2/15	14:15	-02						X													
(S # 20	7/2/15	14:25	-03						\times													
CS#21	7/2/15	14:35	04						x													
CS# 22		14:40							X													
CS#23	7/2/15	14:50	0 -06						X													
Cs#11	7/1/15	13:0	p -07	1	-		-	-	X												L	T
	-																					
				Data	Time	+		101							_					Date	T	ime
Relinquished by: (Signature)	1			Date	8:20	Hece	ived by	(Sig	Inatt	Jre)		_	Ŧ		-	_				7-6-K		
Relinquished by: (Signature)				1-1-2		Rece	ived by	: (Sig	natu	ure)												
Sample Matrix Soil X Solid Sludge	Aqueous 🗌] Other 🗌																				
Sample(s) dropped off after 5.5 5.6 5795 US Highway 6	5.0) E			And ings • 65														ch-inc			

CHAIN OF CUSTODY RECORD

16180

WESTERN RE	NESTERN REFINING Project Name / Location: SMITH LAKE - MP33									A	NALY	rsis	/ PAR	RAME	ETEF	IS					
Email results to Kelly, Robinson		Sar	npler Name:	>	ino			8015)	1 8021)	8260)	S				-			A4	ASKA	25	
Client Phone No.: (SDS) 801-56	16	Clie	nt No.: 9401;	2-0	115			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE	- AC	A	4/4/1	Sample Cool Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume ontainers	Pr HNO3	HCI	TPH ()	BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (418.1)	CHLORIDE	1 H	L'all	LUX.	Sampl
CS#18			P507007-01	402	jar			X										1		2	YY
CS# 19	7/2/15	14:15	-02					X										+	1917	2	
CS # 20		14:25						X										1	-0		
CS#21	7/2/15	14:35	04					X										1			
CS# 22		14:40						X										+			
CS#23	7/2/15	-14:50	D -06		, i i			X										A			
Cs#11	7/1/15	13:0	0 -07	1	-			X					-					X		A	1
<u> </u>					_	-															
			- Jane Star											_							
Relinquished by: (Signetture)				Date 761/5	Time 8:20	Recei	ived by:	(Signat	ure)		_	7								Date	Time 082
Relinquished by: (Signature)				1-1-2		Rece	ved by:	(Signat	ure)									-			
Sample Matrix Soil X Solid Sludge	Aqueous 🗌	Other]																	-		
Sample(s) dropped off after 5.5 5.6 5795 US Highway 6	5.0	5			env Anc														-	age	14 of 14



Analytical Report

Report Summary

Client: Western Refining Pipeline Co. Chain Of Custody Number: 14093 Samples Received: 7/10/2015 7:41:00AM Job Number: 96012-0115 Work Order: P507017 Project Name/Location: Smith Lake- MP-53

Date: 7/13/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:55

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
CS24	P507017-01A	Soil	07/09/15	07/10/15	Glass Jar, 4 oz.	

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Page 2 of 7

Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	9601	h Lake- MP- 2-0115 y Robinson	53			Reported: 13-Jul-15 09	
			CS24 17-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015				1.1				Ser.	
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1528031	07/10/15	07/10/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1528032	07/10/15	07/10/15	EPA 8015D	
Surrogate: o-Terphenyl		112 %	50	-200	1528032	07/10/15	07/10/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		88.3 %	50	-150	1528031	07/10/15	07/10/15	EPA 8015D	

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Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:55

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

			52							
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1528031 - Purge and Trap EPA 5030A										1
Blank (1528031-BLK1)				Prepared &	Analyzed:	10-Jul-15			L	
Gasoline Range Organics (C6-C10)	ND	9.95	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.275		"	0.318	1.1	86.4	50-150			V
LCS (1528031-BS1)				Prepared &	Analyzed:	10-Jul-15				
Gasoline Range Organics (C6-C10)	356	9.94	mg/kg	366		97.3	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.279		"	0.318		87.6	50-150			
Matrix Spike (1528031-MS1)	Sou	rce: P507017-	01	Prepared &	Analyzed:	10-Jul-15				
Gasoline Range Organics (C6-C10)	391	9.97	mg/kg	367	ND	106	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.276		"	0.319		86.6	50-150			
Matrix Spike Dup (1528031-MSD1)	Sou	rce: P507017-	01	Prepared &	Analyzed:	10-Jul-15				
Gasoline Range Organics (C6-C10)	389	9.98	mg/kg	367	ND	106	75-125	0.286	15	
Surrogate: 4-Bromochlorobenzene-FID	0.277		"	0.319		86.7	50-150			

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Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:55

Nonhalogenated Organics by 8015 - Quality Control

	Envirotech Analytical Laboratory											
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
Batch 1528032 - DRO Extraction EPA 3550M		1.1			1							
Blank (1528032-BLK1)				Prepared &	Analyzed:	10-Jul-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg						14.			
Surrogate: o-Terphenyl	43.5		"	39.9		109	50-200					
LCS (1528032-BS1)				Prepared &	Analyzed:	10-Jul-15						
Diesel Range Organics (C10-C28)	490	24.9	mg/kg	499		98.4	38-132					
Surrogate: o-Terphenyl	43.4		n	39.9		109	50-200					
Matrix Spike (1528032-MS1)	Sou	rce: P507017-	01	Prepared &	Analyzed:	10-Jul-15						
Diesel Range Organics (C10-C28)	606	29.9	mg/kg	499	ND	121	38-132					
Surrogate: o-Terphenyl	54.3		"	39.9		136	50-200					
Matrix Spike Dup (1528032-MSD1)	Sou	rce: P507017-	01	Prepared &	Analyzed:	10-Jul-15						
Diesel Range Organics (C10-C28)	597	29.9	mg/kg	499	ND	120	38-132	1.51	20			
Surrogate: o-Terphenyl	50.4		#	39.9		126	50-200					

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Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	and the second second second
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:55

Notes and Definitions

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

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CHAIN OF CUSTODY RECORD

Client: Western Refi	ning	Pro	Project Name / Location: SMAA Lake-MP-53 Sampler Name: Matt Krakow						ANALYSIS / PARAMETERS													
Email results to: Kelly 5 Matt	5	Sa	mpler Name: Matt Kr	akou	5				8015)	d 8021)	8260)	s			0	7						
Client Phone No.: 505-632-4		Clie	ent No.: 96012	-0115	5				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	TPH (418.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		/olume ntainers	Pr HgCl ₂	HCI	ive	TPH (I	BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (CHLORIDE			Sampl	Sampl
CS24	7/9/15	4:25pm	P507017-01	1402	Jar				X												Y	Y
																				_		-
					_															_		
														_								
					-															-		
Relinquished by: (Signature)				Date 7/10/15	Time 7:40	Rece	ived b				i									Date 7/10/1		Time 7:40
Relinquished by: (Signature)							ived b															
Sample Matrix Soil 🔀 Solid 🗌 Sludge 🗌	Aqueous [] Other []																1				
Sample(s) dropped off after RUSL	hours to se	cure drop of	farea.	30	env Ana	iro		ee	c h ator	Ŋ	8.()					-		L.M.			
5795 US Highway 64	4 • Farming	ton, NM 8740	1 • 505-632-0615 •	Three Spri	ngs • 65 M	Merca	do Stre	eet, S	iuite 1	15, D	urang	go, C	0 813	801 •	labo	ratory	@en	virote	ch-ind	Pag	e 7	of 7



Analytical Report

Report Summary

Client: Western Refining Pipeline Co. Chain Of Custody Number: 14094 Samples Received: 7/10/2015 7:40:00AM Job Number: 96012-0115 Work Order: P507018 Project Name/Location: Smith Lake- MP-53

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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7/13/15

Date:

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Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:52

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-25	P507018-01A	Soil	07/09/15	07/10/15	Glass Jar, 4 oz.

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Western Refining Pipeline Co. PO Box 62558 Phoenix AZ, 85082-2558	Projec	et Name: et Number: et Manager:	9601	h Lake- MP- 2-0115 y Robinson	53			Reported: 13-Jul-15 09	
			CS-25 18-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							and we have	4.8	
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1528031	07/10/15	07/10/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1528032	07/10/15	07/10/15	EPA 8015D	
Surrogate: o-Terphenyl		110 %	50	-200	1528032	07/10/15	07/10/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		87.2 %	50	-150	1528031	07/10/15	07/10/15	EPA 8015D	

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Page 3 of 7



Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:52

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1528031 - Purge and Trap EPA 5030A	1								. de	
Blank (1528031-BLK1)				Prepared &	Analyzed:	10-Jul-15	1			
Gasoline Range Organics (C6-C10)	ND	9.95	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.275		**	0.318		86.4	50-150		- 1 -	-
LCS (1528031-BS1)				Prepared &	Analyzed:	10-Jul-15				
Gasoline Range Organics (C6-C10)	356	9.94	mg/kg	366		97.3	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.279		"	0.318		87.6	50-150			
Matrix Spike (1528031-MS1)	Sour	ce: P507017-	01	Prepared &	Analyzed:	10-Jul-15				
Gasoline Range Organics (C6-C10)	391	9.97	mg/kg	367	ND	106	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.276		"	0.319		86.6	50-150			
Matrix Spike Dup (1528031-MSD1)	Sour	ce: P507017-	01	Prepared &	Analyzed:	10-Jul-15				
Gasoline Range Organics (C6-C10)	389	9.98	mg/kg	367	ND	106	75-125	0.286	15	1.2.7
Surrogate: 4-Bromochlorobenzene-FID	0.277		n	0.319		86.7	50-150			

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Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:52

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

				and the second second				_		
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1528032 - DRO Extraction EPA 3	550M						Carrier and			
Blank (1528032-BLK1)				Prepared &	analyzed:	10-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.5		"	39.9		109	50-200		1.1	
LCS (1528032-BS1)				Prepared &	k Analyzed:	10-Jul-15				
Diesel Range Organics (C10-C28)	490	24.9	mg/kg	499		98.4	38-132			
Surrogate: o-Terphenyl	43.4		"	39.9		109	50-200			
Matrix Spike (1528032-MS1)	Sour	rce: P507017-	-01	Prepared &	Analyzed:	10-Jul-15				
Diesel Range Organics (C10-C28)	606	29.9	mg/kg	499	ND	121	38-132			
Surrogate: o-Terphenyl	54.3		11	39.9		136	50-200			
Matrix Spike Dup (1528032-MSD1)	Sour	rce: P507017-	-01	Prepared &	analyzed:	10-Jul-15				
Diesel Range Organics (C10-C28)	597	29.9	mg/kg	499	ND	120	38-132	1.51	20	
Surrogate: o-Terphenyl	50.4		"	39.9		126	50-200			

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Western Refining Pipeline Co.	Project Name:	Smith Lake- MP-53	1177 1174 N
PO Box 62558	Project Number:	96012-0115	Reported:
Phoenix AZ, 85082-2558	Project Manager:	Kelly Robinson	13-Jul-15 09:52

Notes and Definitions

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

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CHAIN OF CUSTODY RECORD

14094

Client: Western Refini	Ич	Pro	ject Name / Locati SMiTh La	^{on:} Ke -	MP-	5	3		ANALYSIS / PARAMETERS													
Email results to: Kelly & Mett Client Phone No.:)	Sa	Matt Kra	Kon	ر				8015)	d 8021)	8260)	s			0	Ŧ						
Client Phone No.: 505-63.2-4	169	Clie	ent No.: 96012	2-0115					TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE			e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume ontainers	Pr HgCl ₂	eservati HCI	ve	TPH (BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (418.1)	CHLORIDE			Sample Cool	Sampl
CS-25	7/9/15	4:20p	P507018-01	1-40	z Jar				X												Y	Y
					_																	
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Relinguished by: (Signature)				Date	Time	Recei	ved by	y: (Sig	natu	ure)										Date	TI	me
Relinquished by: (Signature)	~.			Violis	7:40	A	en	30	32	i										7/10/15	7.	40
Relinquished by: (Signature)						Recei	ved by	y: (Sig	gnatu	ure)										-		
Sample Matrix Soil A Solid Sludge	Aqueous 🗌	Other																	ŝ.			
Sample(s) dropped off after RUSL			1 • 505-632-0615 • 1		Anal								O 813	301 •	labor	ratory	@en	virote	ch-ind	Page	270)f 7



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: 14095 Samples Received: 7/14/2015 11:03:00AM Job Number: 96012-0115 Work Order: P507021 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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7/15/15

Date:

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	15-Jul-15 09:54

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-26	P507021-01A	Soil	07/13/15	07/14/15	Glass Jar, 4 oz.

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Page 2 of 7

Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Reported: 15-Jul-15 09:54									
			CS-26 21-01 (Se	olid)						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Nonhalogenated Organics by 8015								1.1		
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1529012	07/14/15	07/14/15	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1529013	07/14/15	07/14/15	EPA 8015D		
Surrogate: o-Terphenyl		109 %	50	-200	1529013	07/14/15	07/14/15	EPA 8015D		
Surrogate: 4-Bromochlorobenzene-FID		85.7 %	50-150		6 50-150 1529012 07/14/1		07/14/15	07/14/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	15-Jul-15 09:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

			11.00							
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1529012 - Purge and Trap EPA 5030A						1.5	0			115
Blank (1529012-BLK1)				Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg					×		C N
Surrogate: 4-Bromochlorobenzene-FID	0.272		"	0.320		84.9	50-150			16.7
LCS (1529012-BS1)				Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	385	10.0	mg/kg	368		105	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.272		"	0.320		85.0	50-150			
Matrix Spike (1529012-MS1)	Sour	ce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	393	10.0	mg/kg	368	ND	107	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.272		п	0.320		85.1	50-150			
Matrix Spike Dup (1529012-MSD1)	Sour	ce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	304	10.0	mg/kg	368	ND	82.6	75-125	25.6	15	D1
Surrogate: 4-Bromochlorobenzene-FID	0.273		"	0.320		85.4	50-150			1.00

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	15-Jul-15 09:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

								/		
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1529013 - DRO Extraction EPA 3550M								_		
Blank (1529013-BLK1)				Prepared &	Analyzed:	14-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	47.7		"	40.0		119	50-200			
LCS (1529013-BS1)				Prepared &	Analyzed:	14-Jul-15				
Diesel Range Organics (C10-C28)	542	25.0	mg/kg	500		108	38-132			
Surrogate: o-Terphenyl	49.9		"	40.0		125	50-200			
Matrix Spike (1529013-MS1)	Sou	irce: P507021-	·01	Prepared &	Analyzed:	14-Jul-15				
Diesel Range Organics (C10-C28)	545	35.0	mg/kg	500	ND	109	38-132			
Surrogate: o-Terphenyl	46.5		"	40.0		116	50-200			
Matrix Spike Dup (1529013-MSD1)	Sou	rce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Diesel Range Organics (C10-C28)	533	35.0	mg/kg	500	ND	107	38-132	2.25	20	
Surrogate: o-Terphenyl	48.0		"	40.0		120	50-200			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	15-Jul-15 09:54

Notes and Definitions

D1	Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.
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

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CHAIN OF CUSTODY RECORD

WESTERN REFIN	t: ESTERN REFINING Project Name / Location: SMITH LAKE - MP33 Sampler Name:										A	NAL	/SIS	/ PAR	RAME	TERS				
Email results to: KELLY. ROBINSO		JR. COU	mpler Name:					- In Inc	8260)	S				-						
Client Phone No.:				12-0115			a bodio		BTEX (Method 8021) VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	TPH (418.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers		HCI	TDL W	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (CHLORIDE			Sampl	Sampl
CS-26	7/13/1	15:10	P507021-01	tozijar			2	<											/	/
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Relinquished by: (Signature)					Rece	ived by	: (Sign	ature	97											
Sample Matrix Soil X Solid Sludge	Aqueous [] Other []							_	_	_	/	>							
Sample(s) dropped off afte	r hours to se	cure drop of	farea.	env	ire		e C	h		j	S	SH))'	7.8				
5795 US Highway a	4 • Farming	ton, NM 8740	1 • 505-632-0615 • 1	Three Springs • 65	Merca	do Stree	et, Suite	e 115	, Durar	igo, C	0 81	301 •	labo	ratory	@en	virotec	h-ing	Page	7 0	f7



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: 16168 Samples Received: 7/15/2015 7:23:00AM Job Number: 96012-0115 Work Order: P507027 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

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7/16/15

Date:

Page 1 of 8



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 11:59

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS29	P507027-01A	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.
	P507027-01B	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	•	Number: Manager:	9601 Kelly CS29	h Lake- MP 2-0115 7 Robinson	33			Reported: 16-Jul-15 11	
		P5070	27-01 (So	oua)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021							19.14		
Benzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
o,m-Xylene	0.35	0.20	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
o-Xylene	0.12	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total Xylenes	0.47	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total BTEX	0.47	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	

mg/kg

mg/kg

50-150

1

1

50-200

50-150

1529012

1529012

1529013

1529013

1529012

07/15/15

07/15/15

07/15/15

07/15/15

07/15/15

07/15/15

07/15/15

07/15/15

07/15/15

07/15/15

EPA 8021B

EPA 8015D

EPA 8015D

EPA 8015D

EPA 8015D

9.98

30.0

123 %

90.9%

92.1%

31.9

46.0

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Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

Diesel Range Organics (C10-C28)

Surrogate: 4-Bromochlorobenzene-FID

Surrogate: o-Terphenyl

Nonhalogenated Organics by 8015

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We	estern Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and the second
PO) Box 159	Project Number:	96012-0115	Reported:
Blo	oomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 11:59

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529012 - Purge and Trap EPA 5030A									1.1	
Blank (1529012-BLK1)			1.1	Prepared &	Analyzed:	14-Jul-15				
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10								
Ethylbenzene	ND	0.10								
o,m-Xylene	ND	0.20								
o-Xylene	ND	0.10	**							
Total Xylenes	ND	0.10	**							
Fotal BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.289		17.	0.320		90.3	50-150			
LCS (1529012-BS1)				Prepared &	Analyzed:	14-Jul-15				
Benzene	20.5	0.10	mg/kg	20.0		102	75-125			
Foluene	21.2	0.10	"	20.0		106	70-125			
Ethylbenzene	21.3	0.10		20.0		107	75-125			
p,m-Xylene	42.5	0.20	"	40.0		106	80-125			
p-Xylene	20.7	0.10	"	20.0		104	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.290		n	0.320		90.6	50-150			
Matrix Spike (1529012-MS1)	Sou	rce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Benzene	20.8	0.10	mg/kg	20.0	ND	104	75-125		100	
Foluene	21.6	0.10	*	20.0	ND	108	70-125			
Ethylbenzene	21.8	0.10	ii.	20.0	ND	109	75-125			
o,m-Xylene	43.4	0.20	"	40.0	ND	108	80-125			
-Xylene	21.1	0.10	"	20.0	ND	106	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.291		"	0.320		90.8	50-150			
Matrix Spike Dup (1529012-MSD1)	Sou	rce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Benzene	16.1	0.10	mg/kg	20.0	ND	80.5	75-125	25.7	15	D1
oluene	16.5	0.10	"	20.0	ND	82.7	70-125	26.5	15	D1
Ethylbenzene	16.6	0.10		20.0	ND	82.9	75-125	27.0	15	D1
o,m-Xylene	33.2	0.20		40.0	ND	83.0	80-125	26.6	15	D1
-Xylene	16.4	0.10		20.0	ND	82.1	75-125	25.2	15	D1

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 11:59

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529012 - Purge and Trap EPA 5030A							- 5.4	81.14	- 22	
Blank (1529012-BLK1)		1000		Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1 10 10	E.					
Surrogate: 4-Bromochlorobenzene-FID	0.272		"	0.320		84.9	50-150			
LCS (1529012-BS1)				Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	385	10.0	mg/kg	368		105	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.272		"	0.320		85.0	50-150			
Matrix Spike (1529012-MS1)	Sou	rce: P507021-	-01	Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	393	10.0	mg/kg	368	ND	107	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.272		н	0.320		85.1	50-150			
Matrix Spike Dup (1529012-MSD1)	Sou	irce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Gasoline Range Organics (C6-C10)	304	10.0	mg/kg	368	ND	82.6	75-125	25.6	15	D1
Surrogate: 4-Bromochlorobenzene-FID	0.273		"	0.320		85.4	50-150			



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and have the filling a state of the
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 11:59

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

	Bernite	Reporting	I.I ite	Spike	Source	WREC	%REC	0.00	RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1529013 - DRO Extraction EPA 3550M	[6	1.2		1.11
Blank (1529013-BLK1)				Prepared &	Analyzed:	14-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	47.7		"	40.0		119	50-200			Y
LCS (1529013-BS1)				Prepared &	Analyzed:	14-Jul-15			1	- 3
Diesel Range Organics (C10-C28)	542	25.0	mg/kg	500		108	38-132			
Surrogate: o-Terphenyl	49.9		H	40.0		125	50-200			1- 14
Matrix Spike (1529013-MS1)	Sou	rce: P507021-	-01	Prepared &	Analyzed:	14-Jul-15				
Diesel Range Organics (C10-C28)	545	35.0	mg/kg	500	ND	109	38-132			14
Surrogate: o-Terphenyl	46.5		"	40.0		116	50-200		1	
Matrix Spike Dup (1529013-MSD1)	Sou	rce: P507021-	-01	Prepared &	Analyzed:	14-Jul-15				
Diesel Range Organics (C10-C28)	533	35.0	mg/kg	500	ND	107	38-132	2.25	20	
Surrogate: o-Terphenyl	48.0		"	40.0		120	50-200			



l	Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
	PO Box 159	Project Number:	96012-0115	Reported:
	Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 11:59

Notes and Definitions

- D1Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.DETAnalyte DETECTEDNDAnalyte NOT DETECTED at or above the reporting limitNRNot ReporteddrySample results reported on a dry weight basis
- RPD Relative Percent Difference

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CHAIN OF CUSTODY RECORD

16168

WESTERN REF	INING	Pro	ject Name / Locati	on: E - M	1P3	3				1		A	NALY	YSIS	/ PAI	RAME	ETER	IS			
Email results to: Kell, Robinson		Sa	MATT KRA	1.12				3015)	8021)	8260)	0				-						
Client Phone No.:		Clie	and block	12-0				TPH (Method 8015)	BTEX (Method 8021)	(Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE				Sample Intact
Sample No./ Identification	Sample Date	Śample Time	Lab No.		Volume Intainers	Pr HNO3	HCI	" HdT	BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (418.1)	CHLORIDE				Sample Intac
C329	2/14/15	17500	P507027-01	(2) 8	or Jars			X	X											2	1
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	iric			Date	Time -7:23	4	ren	: (Signat	R	pi									1	ate S/5	Time 7:23
Relinquished by: (Signature)						Recei	ved by:	: (Signal	ture)												
Sample Matrix Soil Solid Sludge	Aqueous 🗆] Other 🗌												,							
Sample(s) dropped off after	hours to see	cure drop of	farea.	30	env Ana	ir c	ote		1×	R	R R	12	613	319	2	4	:7	5	.0		
5795 US Highway 6	4 • Farmingto	on, NM 8740	1 • 505-632-0615 • T															chino			8 of 8

Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: 16181 Samples Received: 7/15/2015 7:23:00AM Job Number: 96012-0115 Work Order: P507028 Project Name/Location: Smith Lake- MP 33

Date: 7/16/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Page 1 of 8



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 12:01

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
CS28	P507028-01A	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.	
	P507028-01B	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.	

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Page 2 of 8



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 12:01

		P5070	CS28 28-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									_
Benzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	50	-150	1529012	07/15/15	07/15/15	EPA 8021B	
Nonhalogenated Organics by 8015							1		
Gasoline Range Organics (C6-C10)	16.2	9.99	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8015D	
Diesel Range Organics (C10-C28)	74.3	29.9	mg/kg	1	1529013	07/15/15	07/15/15	EPA 8015D	
Surrogate: o-Terphenyl		132 %	50	-200	1529013	07/15/15	07/15/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		88.0 %	50	-150	1529012	07/15/15	07/15/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 12:01

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529012 - Purge and Trap EPA 5030A										344
Blank (1529012-BLK1)				Prepared &	Analyzed:	14-Jul-15				
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10								
Ethylbenzene	ND	0.10								
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10								
Total Xylenes	ND	0.10	н							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	0.289		"	0.320		90.3	50-150			
LCS (1529012-BS1)				Prepared &	Analyzed:	14-Jul-15				
Benzene	20.5	0.10	mg/kg	20.0		102	75-125			
Toluene	21.2	0.10	**	20.0		106	70-125			
Ethylbenzene	21.3	0.10	"	20.0		107	75-125			
p,m-Xylene	42.5	0.20	**	40.0		106	80-125			
o-Xylene	20.7	0.10	"	20.0		104	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.290		n	0.320		90.6	50-150			
Matrix Spike (1529012-MS1)	Sou	irce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Benzene	20.8	0.10	mg/kg	20.0	ND	104	75-125			
Toluene	21.6	0.10		20.0	ND	108	70-125			
Ethylbenzene	21.8	0.10		20.0	ND	109	75-125			
p,m-Xylene	43.4	0.20	н	40.0	ND	108	80-125			
o-Xylene	21.1	0.10		20.0	ND	106	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.291		"	0.320		90.8	50-150			
Matrix Spike Dup (1529012-MSD1)	Sou	irce: P507021-	01	Prepared &	Analyzed:	14-Jul-15				
Benzene	16.1	0.10	mg/kg	20.0	ND	80.5	75-125	25.7	15	D1
Foluene	16.5	0.10	"	20.0	ND	82.7	70-125	26.5	15	D1
Ethylbenzene	16.6	0.10	n	20.0	ND	82.9	75-125	27.0	15	D1
o,m-Xylene	33.2	0.20		40.0	ND	83.0	80-125	26.6	15	D1
p-Xylene	16.4	0.10	"	20.0	ND	82.1	75-125	25.2	15	DI
Surrogate: 4-Bromochlorobenzene-PID	0.289		"	0.320		90.4	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 12:01

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory Reporting Spike %REC RPD Source Analyte Result Limit Units Level Result %REC Limits RPD Limit Notes Batch 1529012 - Purge and Trap EPA 5030A Blank (1529012-BLK1) Prepared & Analyzed: 14-Jul-15 Gasoline Range Organics (C6-C10) 10.0 ND mg/kg 0.272 " Surrogate: 4-Bromochlorobenzene-FID 0.320 84.9 50-150 LCS (1529012-BS1) Prepared & Analyzed: 14-Jul-15 Gasoline Range Organics (C6-C10) 368 80-120 385 10.0 mg/kg 105 0.272 0.320 50-150 Surrogate: 4-Bromochlorobenzene-FID 85.0 Matrix Spike (1529012-MS1) Source: P507021-01 Prepared & Analyzed: 14-Jul-15 Gasoline Range Organics (C6-C10) 393 10.0 368 ND 107 75-125 mg/kg Surrogate: 4-Bromochlorobenzene-FID 0.272 0.320 85.1 50-150 Source: P507021-01 Prepared & Analyzed: 14-Jul-15 Matrix Spike Dup (1529012-MSD1) Gasoline Range Organics (C6-C10) 75-125 304 10.0 368 ND 82.6 25.6 15 D1 mg/kg Surrogate: 4-Bromochlorobenzene-FID 0.273 0.320 85.4 50-150

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Wes	tern Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and the second sec
POI	3ox 159	Project Number:	96012-0115	Reported:
Bloc	mfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 12:01

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes				
Batch 1529013 - DRO Extraction EPA 3	550M	T												
Blank (1529013-BLK1)				Prepared & Analyzed: 14-Jul-15										
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg											
Surrogate: o-Terphenyl	47.7		"	40.0		119	50-200			1.22				
LCS (1529013-BS1)				Prepared &	Analyzed:	14-Jul-15			1					
Diesel Range Organics (C10-C28)	542	25.0	mg/kg	500		108	38-132							
Surrogate: o-Terphenyl	49.9		н	40.0		125	50-200		1.1	i den				
Matrix Spike (1529013-MS1)	Sou	rce: P507021-	01	Prepared &	Analyzed:	14-Jul-15								
Diesel Range Organics (C10-C28)	545	35.0	mg/kg	500	ND	109	38-132		1.311	1.1				
Surrogate: o-Terphenyl	46.5			40.0		116	50-200		1 1 2					
Matrix Spike Dup (1529013-MSD1)	Sou	Source: P507021-01			Analyzed:	14-Jul-15				2. 10-				
Diesel Range Organics (C10-C28)	533	35.0	mg/kg	500	ND	107	38-132	2.25	20					
Surrogate: o-Terphenyl	48.0		**	40.0		120	50-200							

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	16-Jul-15 12:01

Notes and Definitions

- D1
 Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.

 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

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5 FI (000) 502-1079

CHAIN OF CUSTODY RECORD

16181

Client: Project Name / Location: WESTERN REFINING SMITH LAILE - MP33				3						A	NALY	YSIS	/ PA	RAM	ETEF	RS																
Email results to: Kelly. Robinson	elemr.c	on si	MATT I	RAKO	ŝ			1	3015)	18021)	8260)	S				-																
Client Phone No.: 505-632-416(.			ient No.: 940	12-0115					(CTUS DOMENOG BUTH	BTEX (Method 8021)	VOC (Method 8260)	8 Metal	8 Metal:	8 Metal	8 Metal	8 Metals	8 Metal	A 8 Meta	RCRA 8 Metals	8 Meta	8 Meta	Cation / Anion		TCLP with H/P	CO Table 910-1	418.1)	RIDE				Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volu of Contai		Pre HNO3	HCI	e	H	BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (418.1)	CHLORIDE	2			Sampl	Sampl									
CS 28	7/14/15	13 500	P507029-01	2 3802	e Jan)	X	×													/									
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Relinquished by: (Signature)	box	_		Date T	:23	4	wed by	13	A	30	~										Date Is/K	Tin 7:1	1000									
Relinquished by: (Signature)					F	Receiv	ved by	: (Sign	natul	re)																						
Sample Matrix Soil A Solid Sludge	Aqueous 🗌] Other []																													
Sample(s) dropped off afte	r hours to se	cure drop o	ff area.	3 ei	Analy	r c	te Lab	e C	h	P	6#	- 12	26	13	18	22			2.6	3.6)	4.6											
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Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: 15955 Samples Received: 7/16/2015 9:11:00AM Job Number: 96012-0115 Work Order: P507031 Project Name/Location: Smith Lake- MP 33

Date: 7/20/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:52

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-31	P507031-01A	Soil	07/15/15	07/16/15	Glass Jar, 4 oz.
	P507031-01B	Soil	07/15/15	07/16/15	Glass Jar, 4 oz.

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Page 2 of 8

		CS-31 31-01 (Solid)	
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:52
PO Box 159	Project Number:	96012-0115	Reported:
Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021		_					Balac		
Benzene	ND	0.10	mg/kg 1	1	1529021	07/16/15	07/17/15	EPA 8021B	
Toluene	ND	0.10	mg/kg 1	(1529021	07/16/15	07/17/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg 1	l.	1529021	07/16/15	07/17/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg 1		1529021	07/16/15	07/17/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg 1	E.	1529021	07/16/15	07/17/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg 1		1529021	07/16/15	07/17/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg l		1529021	07/16/15	07/17/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-15	0	1529021	07/16/15	07/17/15	EPA 8021B	
Nonhalogenated Organics by 8015								and the second second	
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg 1		1529021	07/16/15	07/17/15	EPA 8015D	
Diesel Range Organics (C10-C28)	39.0	35.0	mg/kg l		1529018	07/16/15	07/16/15	EPA 8015D	
Surrogate: o-Terphenyl		102 %	50-20	0	1529018	07/16/15	07/16/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		99.8 %	50-15	0	1529021	07/16/15	07/17/15	EPA 8015D	

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rango, CO 81301 Ph (970) 25

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Page 3 of 8

Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:52

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529021 - Purge and Trap EPA 5030A				_					11.	12123
Blank (1529021-BLK1)	5			Prepared: 1	6-Jul-15 A	nalyzed: 17	7-Jul-15			11/2
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10								
Ethylbenzene	ND	0.10	**							
p,m-Xylene	ND	0.20								
o-Xylene	ND	0.10								
Total Xylenes	ND	0.10								
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.320		101	50-150			
LCS (1529021-BS1)				Prepared: 1	6-Jul-15 A	nalyzed: 11	7-Jul-15			
Benzene	20.5	0.10	mg/kg	20.0		103	75-125			1.1
Toluene	21.1	0.10	"	20.0		106	70-125			
Ethylbenzene	21.7	0.10	**	20.0		108	75-125			
p,m-Xylene	43.3	0.20	**	40.0		108	80-125			
o-Xylene	21.3	0.10		20.0		107	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.320		100	50-150			1
Matrix Spike (1529021-MS1)	Sou	rce: P507031-	01	Prepared: 1	6-Jul-15 A	nalyzed: 17	Jul-15			
Benzene	20.3	0.10	mg/kg	20.0	ND	102	75-125			
Foluene	20.9	0.10	"	20.0	ND	104	70-125			
Ethylbenzene	21.4	0.10		20.0	ND	107	75-125			
p,m-Xylene	42.8	0.20		40.0	ND	107	80-125			
p-Xylene	21.1	0.10		20.0	ND	105	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.325		"	0.320		102	50-150			
Matrix Spike Dup (1529021-MSD1)	Sou	rce: P507031-	01	Prepared: 1	6-Jul-15 A	nalyzed: 17	Jul-15			
Benzene	19.8	0.10	mg/kg	20.0	ND	99.1	75-125	2.66	15	
Foluene	20.3	0.10		20.0	ND	102	70-125	2.75	15	
Ethylbenzene	20.8	0.10	**	20.0	ND	104	75-125	2.71	15	
o,m-Xylene	41.7	0.20		39.9	ND	105	80-125	2.61	15	
o-Xylene	20.5	0.10	*	20.0	ND	103	75-125	2.53	15	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:52

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529018 - DRO Extraction EPA 3550	М									
Blank (1529018-BLK1)				Prepared &	Analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	41.8		"	40.0		105	50-200			
LCS (1529018-BS1)				Prepared &	Analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	508	25.0	mg/kg	500		102	38-132			
Surrogate: o-Terphenyl	42.9		"	40.0		107	50-200			
Matrix Spike (1529018-MS1)	Sou	rce: P507029-	-01	Prepared &	k Analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	619	30.0	mg/kg	500	ND	124	38-132			
Surrogate: o-Terphenyl	51.1		"	40.0		128	50-200			
Matrix Spike Dup (1529018-MSD1)	Sou	rce: P507029-	-01	Prepared &	analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	525	30.0	mg/kg	499	ND	105	38-132	16.5	20	
Surrogate: o-Terphenyl	45.6		"	39.9		114	50-200			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:52

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529021 - Purge and Trap EPA 5030A										
Blank (1529021-BLK1)				Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.317		**	0.320		99.0	50-150			
LCS (1529021-BS1)				Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15			
Gasoline Range Organics (C6-C10)	461	20.0	mg/kg	449		103	80-120			5
Surrogate: 4-Bromochlorobenzene-FID	0.314		"	0.320		98.3	50-150			
Matrix Spike (1529021-MS1)	Sou	rce: P507031-	01	Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15			13
Gasoline Range Organics (C6-C10)	460	20.0	mg/kg	449	ND	102	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.319			0.320		99.6	50-150			
Matrix Spike Dup (1529021-MSD1)	Sou	rce: P507031-	01	Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15			
Gasoline Range Organics (C6-C10)	449	20.0	mg/kg	448	ND	100	75-125	2.46	15	
Surrogate: 4-Bromochlorobenzene-FID	0.319		"	0.319		99.7	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:52

Notes and Definitions

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

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CHAIN OF CUSTODY RECORD

15955

WESTERN REFIN	VINE	P	SMITH LAP	Diect Name / Location: DM ITH LAKE - MP33							A	NAL	YSIS	/ PA	RAM	ETER	S											
Email results to: Kelly. Rozinsance	WNR.CO	m	ampler Name: MATT K	RAKON				3015)	8021)	8260)	S				-													
Client Phone No.: 505-632-416	حاه	C	ient No.: 96012-0115												I PH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	(118.1)	RIDE			e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Pi HNO3	HCI	8	W) Hd I	BTEX	VOC (I	RCRA	Cation	RCI	TCLP	CO Tal	TPH (418.1)	CHLORIDE			Sample (Sample							
CS-31	7/15/13	- 16:41	P507031-01	(2)402			>	Χ.	X											4	Y							
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Relinquished by: (Signature)	into			Date Time 7/14/15-9:10	Rece	ived by	: (Sign	natur	re)	~	-	2	11	-					Date 7.16		Time 911							
Relinquished by: (Signature)					Rece	ived by	: (Sign	natur	re)						ſ													
Sample Matrix Soil X Solid Sludge	Aqueous [] Other []								J.																	
Sample(s) dropped off after 4.8/5.0		cure drop o	off area.	env	ire		C	h	(F	2	25	1	-	Pr)	D#	121	ol 3	182									
5795 US Highway &	54 • Farmingt	on, NM 874	01 • 505-632-0615 •	Three Springs • 65	Merca	do Stree	et. Suite	e 11	5, 00	range	o, Ce	0 813	01 .	labo	rator	y@en	virote	ch-inc	Pa	ge 8	of 8							



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: 16182 Samples Received: 7/16/2015 9:11:00AM Job Number: 96012-0115 Work Order: P507032 Project Name/Location: Smith Lake- MP 33

Date: 7/20/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and the second sec
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:54

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
CS-30	P507032-01A	Soil	07/15/15	07/16/15	Glass Jar, 4 oz.	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Project	t Name: t Number: t Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 20-Jul-15 14	
			CS-30 32-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1529021	07/16/15	07/17/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1529018	07/16/15	07/16/15	EPA 8015D	
Surrogate: o-Terphenyl		107 %	50	-200	1529018	07/16/15	07/16/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		98.6 %	50	-150	1529021	07/16/15	07/17/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	The second se
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

			-		150					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529018 - DRO Extraction EPA 3550M									1.1.1	
Blank (1529018-BLK1)				Prepared &	& Analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg						1.1	1.00
Surrogate: o-Terphenyl	41.8		"	40.0		105	50-200		1.11	1
LCS (1529018-BS1)				Prepared &	& Analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	508	25.0	mg/kg	500		102	38-132			2000
Surrogate: o-Terphenyl	42.9			40.0		107	50-200			
Matrix Spike (1529018-MS1)	Sour	ce: P507029-	01	Prepared &	& Analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	619	30.0	mg/kg	500	ND	124	38-132		- C- 2	1.1
Surrogate: o-Terphenyl	51.1		"	40.0		128	50-200			
Matrix Spike Dup (1529018-MSD1)	Sour	ce: P507029-	01	Prepared &	& Analyzed:	16-Jul-15				
Diesel Range Organics (C10-C28)	525	30.0	mg/kg	499	ND	105	38-132	16.5	20	
Surrogate: o-Terphenyl	45.6		"	39.9		114	50-200			

Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory											
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch 1529021 - Purge and Trap EPA 5030A											
Blank (1529021-BLK1)				Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15		10		
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg								
Surrogate: 4-Bromochlorobenzene-FID	0.317		"	0.320		99.0	50-150	11			
LCS (1529021-BS1)				Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15				
Gasoline Range Organics (C6-C10)	461	20.0	mg/kg	449		103	80-120				
Surrogate: 4-Bromochlorobenzene-FID	0.314		"	0.320		98.3	50-150				
Matrix Spike (1529021-MS1)	Sou	rce: P507031-	01	Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15				
Gasoline Range Organics (C6-C10)	460	20.0	mg/kg	449	ND	102	75-125		1.16.5		
Surrogate: 4-Bromochlorobenzene-FID	0.319		п	0.320		99.6	50-150				
Matrix Spike Dup (1529021-MSD1)	Sou	rce: P507031-	01	Prepared: 1	6-Jul-15 A	nalyzed: 1'	7-Jul-15				
Gasoline Range Organics (C6-C10)	449	20.0	mg/kg	448	ND	100	75-125	2.46	15		
Surrogate: 4-Bromochlorobenzene-FID	0.319		"	0.319		99.7	50-150				

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	States in the second second second
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:54

Notes and Definitions

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

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WESTERN REFI	NING	Pi	SMITH LAK	ion: .E 1	MP-3	3			CLO DED	-		A	NAL	YSIS	/ PAF	RAME	ETER	s			
Email results to: KELLY .ROBINSON	CWNR.	com	ampler Name: MATT K	RAK	ow			DOTEL -	C ICION	11200 I	S				-						
Client Phone No.: 505-632-4166	,	CI	ient No.: 9601	2-01	15			e Portoch	TEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	TPH (418.1)	RIDE			e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		/olume ntainers	Pr HNO3	HCI	ve lot			RCRA	Cation	RCI	TCLP	CO Ta	TPH (CHLORIDE			Sample (Sampl
CS-30	7/15/15	11:30	P5070326	(4) 40	z Javs			×	WAN	K										Y	Y
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		-																			
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	neis			Date	Time _9!10	Rece	ived by	y: (Sign	ature)	e		1		N				Date . 7.16	Tin	-
Relinquished by: (Signature)	~			-		Rece	ived b	y: (Sign	ature)								5			
Sample Matrix Soll Solid Sludge	Aqueous 🗆] Other [ı															1			
Sample(s) dropped off after		cure drop o	off area.	Je	Ana	ir (ec	h	11	P	.0		1	F	20=	+12	2613	5182		

CHAIN OF CUSTODY RECORD

16182



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: 16165 Samples Received: 7/16/2015 9:11:00AM Job Number: 96012-0115 Work Order: P507033 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

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7/20/15

Date:

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:56

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-27-1	P507033-01A	Soil	07/15/15	07/16/15	Glass Jar, 4 oz.

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	t Name: t Number: t Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 20-Jul-15 14	
			CS-27-1 33-01 (Sc	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1529021	07/16/15	07/17/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1529018	07/16/15	07/16/15	EPA 8015D	
Surrogate: o-Terphenyl		109 %	50	-200	1529018	07/16/15	07/16/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		98.3 %	50	-150	1529021	07/16/15	07/17/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:56

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

%REC Limits	RPD	RPD Limit	Notes
5			
5			
-			
50-200			
5			
38-132			
50-200			
5			
38-132			
50-200			1
5			
38-132	16.5	20	
50-200			
	5 38-132 50-200 5 38-132 50-200 5	5 38-132 50-200 5 38-132 50-200 5 38-132 16.5	5 38-132 50-200 5 38-132 50-200 5 38-132 16.5 20

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and the second second
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:56

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1529021 - Purge and Trap EPA 5030A										
Blank (1529021-BLK1)				Prepared:	6-Jul-15 A	nalyzed: 1	7-Jul-15			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.317		"	0.320		99.0	50-150			
LCS (1529021-BS1)				Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15			
Gasoline Range Organics (C6-C10)	461	20.0	mg/kg	449		103	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.314		"	0.320		98.3	50-150			
Matrix Spike (1529021-MS1)	Sou	rce: P507031-	01	Prepared: 1	6-Jul-15 A					
Gasoline Range Organics (C6-C10)	460	20.0	mg/kg	449	ND	102	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.319		"	0.320		99.6	50-150			
Matrix Spike Dup (1529021-MSD1)	Source: P507031-01			Prepared: 1	6-Jul-15 A	nalyzed: 1	7-Jul-15			
Gasoline Range Organics (C6-C10)	449	20.0	mg/kg	448	ND	100	75-125	2.46	15	
Surrogate: 4-Bromochlorobenzene-FID	0.319			0.319		99.7	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	A state of the second state of the
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	20-Jul-15 14:56

Notes and Definitions

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

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Page 6 of 7

CHAIN OF CUSTODY RECORD

WESTERN REFINI	ING		SMITH LAKE		3			ANALYSIS / PARAMETERS																	
Email results to: KELLY. ROBINSON	Mail results to: KELLY. KOBINSON Sampler Name: MATT KRAKOW							18021)	8260)	S				-											
Client Phone No.:		Cli	MATT KRAKOW Nient No.: 94012-0115			1	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion			TCLP with H/P	with H/P	CO Table 910-1	ble 910	ble 910-	tble 910	TPH (418.1)	RIDE			1 march	Sample Cool Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers		HCI	ve	TPH (BTEX	VOC (RCRA	Cation	RCI	TCLP	CO Ta	TPH (CHLORIDE				Sampl				
CS-27-1	7/15/15	15:05	P507023-01	1-402 jar				X												`					
2					-		-	_			_							-	-	+	-				
				\geq																					
/								_			_		2						_	+	-				
Relinguished by (Signature)	<u> </u>				Recei	ived by	y: (Sig	natu	ure)	7	1								Da	(D) (1)	Time				
Relinquished by: (Signature)	cont			7/16/15-9:10	Bece	ived by	y: (Sig	natu	ure)	/	_	<	-	-		1	-		1.1	44	411				
Sample Matrix Soil X Solid Sludge	Aqueous 🗆] Other []																							
Sample(s) dropped off after	r hours to see	cure drop of	farea.	env	iro		e C	hory	1	<	Po	* VR	IZ	H / 6	31	82									
5795 US Highway 6	54 • Farmingt	on, NM 8740	1 • 505-632-0615 • T	hree Springs • 65 M	Aerca	do Stre	et, Sui	te 1	15, D	urang	0.0	0 813	801 •	labo	retory	@en	virote	ch-inc	Pa	ige i	7 of 7				



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:55:00AM Job Number: 96012-0115 Work Order: P507048 Project Name/Location: Smith Lake- MP 33

Date: 7/21/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:53

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-34a-Bottom	P507048-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.
CS-34a-N	P507048-02A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.
CS-34a-E	P507048-03A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.
CS-34a-S	P507048-04A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.
CS-34a-W	P507048-05A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Project	Name: Number: Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 21-Jul-15 14	
		CS-34a-Bottom P507048-01 (Solid)							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015					÷			-	
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		95.9 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.8 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Project	Name: Number: Manager:	9601	h Lake- MP 2-0115 y Robinson	33			Reported: 21-Jul-15 14	
			S-34a-N 48-02 (Se						
	P 4	Reporting		D11.4	D . 1				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015	and the set							1 A. L. L.	Sec. 1
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		102 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.7 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	et Name: et Number: et Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 21-Jul-15 14	
			S-34a-E 48-03 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							1.1.1		
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		104 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.5 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	t Name: t Number: t Manager:	9601	h Lake- MP 2-0115 y Robinson	33		15	Reported: 21-Jul-15 14	
			S-34a-S 48-04 (Se						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								in a me	52.6
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	1992
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		105 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	10
Surrogate: 4-Bromochlorobenzene-FID		96.3 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	t Name: t Number: t Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 21-Jul-15 14	
			S-34a-W 48-05 (Sc						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015						_		I mi	
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		103 %	50-	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.0 %	50-	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	1
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:53

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A			_							1.5
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.307		п	0.319		96.1	50-150			
LCS (1530002-BS1)				Prepared: 2	0-Jul-15 A	nalyzed: 2	I-Jul-15			14
Gasoline Range Organics (C6-C10)	433	20.0	mg/kg	449		96.3	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
Matrix Spike (1530002-MS1)	Sour	ce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 2	I-Jul-15			
Gasoline Range Organics (C6-C10)	405	20.0	mg/kg	449	ND	90.1	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311		**	0.320		97.3	50-150			
Matrix Spike Dup (1530002-MSD1)	Sour	ce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 2	I-Jul-15			
Gasoline Range Organics (C6-C10)	442	20.0	mg/kg	449	ND	98.4	75-125	8.77	15	
Surrogate: 4-Bromochlorobenzene-FID	0.313		п	0.320		97.8	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:53

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

					-					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530003 - DRO Extraction EPA 35:	50M									
Blank (1530003-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		"	40.0		109	50-200			
LCS (1530003-BS1)				Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		"	40.0		108	50-200			
Matrix Spike (1530003-MS1)	Sourc	ce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		"	39.9		70.0	50-200			
Matrix Spike Dup (1530003-MSD1)	Sourc	ce: P507047-	02	Prepared &	analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9		#	40.0		77.2	50-200			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	1184 4 2 4 9
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:53

Notes and Definitions

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

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Client: WESTERN REFINING			RUSH?	La	b Use Only			An	alysis	and N	lethod		lab (Only
Project: SMITH LAKE - MP33			V 1d		Lab WO#									N/N
Sampler: KELLY ROBINSON			3d	P 507	1048								-	(s)
Phone: 505-632-4166					b Number	015			300.0	10			nbe	rsr
Email(s): Kelly. Robiusa, C WNR. Com	ч			960	12-0115	by 8	021	8.1	y 30				ab Number	ont/F
Project Manager: Kelly Pobiusa			Pag			DRO	by 8	y 41	de b				Lat	C C
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservativ	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by					Correct Cont/Prsrv (s) Y/N
ES-34a-botton	7/17/15	11:30	Soil	(1) 40	2	X							1	Y
C5-34a-N	7/17/15	11:45	Soi 1	(1) 40	2	X							2	1
CS-34a-E	7/17/15	11:20	Soil	(1) 40.	z	X							3	
CS-34a-S		11:55	SOIL	(1) 40	Z	X	1						4	Π
CS-34a-W	7/17/15	12:00	SOIL	(1) 40	د	X	1						5	
														4
								T						
0							+				-		\vdash	
Refinquished by/(Signature) Date Time Relinquished by: (Signature) Date Time	1 Laine	by: (Signa	2	Date Date	Time 9:55 Time	**Rece		on le	ceQ		Only		24	
	Receiver	1 DAX (218119	iture)			T1 8.	mp	_	9	7.1	-			
Sample Matter: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					Container Ty					stic, ag	- ambe	r glass, v	- VOA	
**Samples requiring thermal preservation must be received on ice the da Sample(s) dropped off after hours to a secure drop off area.	ly they are sampled		f Custod			han 6C on s	ubsequ	uent da	ays.	-		-		_
secure or opped on arter roots to a secure or op on area.		chuir U	- Subcou		126131	32								
Benvirotech	\$70.4 HC L	linhurn 64 from	Ington, NA 8740		DL IZA	51 632-0615 1	1000 /2	1965		12			winstech-	
Analytical Laboratory			A Contraction of the second	, Durango, CO 81391		01759-0615 F		a little			[Page		

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Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:53:00AM Job Number: 96012-0115 Work Order: P507049 Project Name/Location: Smith Lake- MP 33

Date: 7/21/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:54

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-32	P507049-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.
CS-33	P507049-02A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Project	t Name: t Number: t Manager:	9 <mark>6</mark> 01	h Lake- MP. 2-0115 y Robinson	33			Reported: 21-Jul-15 14	
			CS-32 49-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Augun		China	Diffution		Ticpatea			
Volatile Organics by EPA 8021 Benzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	50	-150	1530002	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		112 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.8 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Proje	ct Name: ct Number: ct Manager:	9601	h Lake- MP 2-0115 y Robinson	33			Reported: 21-Jul-15 14	
			CS-33	alid)					
		P5070	49-02 (Se	ona)		_			1
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021								a mart	
Benzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	50	-150	1530002	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015								and the second second	
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		115 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.1 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	1.5

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:54

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A								17.2		
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Benzene	ND	0.10	mg/kg					1.00		
Toluene	ND	0.10								
Ethylbenzene	ND	0.10								
p,m-Xylene	ND	0.20	**							
p-Xylene	ND	0.10	**							
Total Xylenes	ND	0.10	**							
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.316		"	0.319		98.9	50-150			
LCS (1530002-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	I-Jul-15			
Benzene	18.5	0.10	mg/kg	20.0		92.4	75-125			
Toluene	19.4	0.10		20.0		96.8	70-125			
Ethylbenzene	20.3	0.10	**	20.0		101	75-125			
p,m-Xylene	40.6	0.20		40.0		102	80-125			
o-Xylene	20.0	0.10		20.0		100	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.319		"	0.320		99.8	50-150			
Matrix Spike (1530002-MS1)	Sou	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 2	l-Jul-15			
Benzene	17.1	0.10	mg/kg	20.0	ND	85.5	75-125			
Toluene	18.0	0.10		20.0	ND	90.2	70-125			
Ethylbenzene	18.9	0.10	**	20.0	ND	94.5	75-125			
p,m-Xylene	37.9	0.20		40.0	ND	94.9	80-125			
o-Xylene	18.8	0.10	u	20.0	ND	94.0	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.318		"	0.320		99.4	50-150		-	
Matrix Spike Dup (1530002-MSD1)	Sou	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 21	l-Jul-15			
Benzene	18.8	0.10	mg/kg	20.0	ND	93.9	75-125	9.43	15	
Toluene	19.8	0.10		20.0	ND	98.9	70-125	9.24	15	
Ethylbenzene	20.7	0.10	**	20.0	ND	104	75-125	9.26	15	
p,m-Xylene	41.6	0.20	**	40.0	ND	104	80-125	9.16	15	
o-Xylene	20.5	0.10		20.0	ND	103	75-125	8.85	15	
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.320		100	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	1.415
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A									1.1	er h
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.307		**	0.319		96.1	50-150			1
LCS (1530002-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	433	20.0	mg/kg	449		96.3	80-120			ALL Y
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
Matrix Spike (1530002-MS1)	Sou	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	405	20.0	mg/kg	449	ND	90.1	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311			0.320		97.3	50-150			1977
Matrix Spike Dup (1530002-MSD1)	Sour	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	442	20.0	mg/kg	449	ND	98.4	75-125	8.77	15	
Surrogate: 4-Bromochlorobenzene-FID	0.313		**	0.320		97.8	50-150		1.0	0.00

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:54

Nonhalogenated Organics by 8015 - Quality Control

Envirotech	Analytical	Laboratory	

	Reporting		Spike	Source		%REC		RPD	
Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
M									
			Prepared &	Analyzed:	20-Jul-15				
ND	25.0	mg/kg							
43.4		**	40.0		109	50-200			
			Prepared &	Analyzed:	20-Jul-15				
522	25.0	mg/kg	500		104	38-132			
43.4		п	40.0		108	50-200			
Sour	ce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				
335	25.0	mg/kg	499	ND	67.1	38-132			
28.0		"	39.9		70.0	50-200			
Sour	ce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				
365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
30.9		.11	40.0		77.2	50-200			
	M ND 43.4 522 43.4 Sour 335 28.0 Sour 365	Result Limit M 25.0 43.4 522 522 25.0 43.4 Source: P507047- 335 25.0 28.0 Source: P507047- 365 25.0	Result Limit Units M 25.0 mg/kg 43.4 " 522 25.0 mg/kg 43.4 " 522 25.0 mg/kg 43.4 " Source: P507047-02 335 28.0 " Source: P507047-02 365 365 25.0 mg/kg	Result Limit Units Level M Prepared & ND 25.0 mg/kg 43.4 " 40.0 Prepared & Source: P507047-02 Prepared & 335 25.0 mg/kg 499 28.0 " 39.9 39.9 Source: P507047-02 Prepared & 365 25.0 mg/kg 500	Result Limit Units Level Result M Prepared & Analyzed: ND 25.0 mg/kg 43.4 " 40.0 Prepared & Analyzed: 522 25.0 mg/kg 500 43.4 " 40.0 Prepared & Analyzed: 522 25.0 mg/kg 500 43.4 " 40.0 Source: P507047-02 Source: P507047-02 Prepared & Analyzed: 335 28.0 " 39.9 ND 28.0 " 39.9 Source: P507047-02 Source: P507047-02 Prepared & Analyzed: 365 365 25.0 mg/kg 500	Result Limit Units Level Result %REC M Prepared & Analyzed: 20-Jul-15 ND 25.0 mg/kg 109 43.4 " 40.0 109 109 722 25.0 mg/kg 500 104 43.4 " 40.0 109 722 25.0 mg/kg 500 104 43.4 " 40.0 108 108 Source: P507047-02 Prepared & Analyzed: 20-Jul-15 335 25.0 mg/kg 499 ND 67.1 28.0 " 39.9 70.0 70.0 70.0 70.0 Source: P507047-02 Prepared & Analyzed: 20-Jul-15 365 25.0 mg/kg 500 ND 73.0	Result Limit Units Level Result %REC Limits M Prepared & Analyzed: 20-Jul-15 Prepared & Analyzed: 20-Jul-15 Prepared & Analyzed: 20-Jul-15 Prepared & Analyzed: 20-Jul-15 43.4 " 40.0 109 50-200 Prepared & Analyzed: 20-Jul-15 Prepared & Analyzed: 20-Jul-15 S022 25.0 mg/kg 500 104 38-132 43.4 " 40.0 108 50-200 S00 S00	Result Limit Units Level Result %REC Limits RPD M Prepared & Analyzed: 20-Jul-15 ND 25.0 mg/kg 43.4 " 40.0 109 $50-200$ 43.4 " 40.0 109 $50-200$ 522 25.0 mg/kg 500 104 $38-132$ 33.4 " 40.0 108 $50-200$ $50-2$	Result Limit Units Level Result %REC Limits RPD Limit M Prepared & Analyzed: 20-Jul-15 ND 25.0 mg/kg Image: S00 Jul-15 43.4 " 40.0 109 $50-200$ Prepared & Analyzed: 20-Jul-15 522 25.0 mg/kg 500 104 $38-132$ Image: S0-200 522 25.0 mg/kg 500 108 $50-200$ Image: S0-200 522 25.0 mg/kg 500 108 $50-200$ Image: S0-200 500 Source: P507047-02 Prepared & Analyzed: 20-Jul-15 Image: S0-200 Image: S0-200 Image: S0-200 Source: P507047-02 Prepared & Analyzed: 20-Jul-15 Image: S0-200 Image: S0-200



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	States and States
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:54

Notes and Definitions

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

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Page 8 of 9

Client: WESTERN REFINING			RUSH?	Lab Use Only	у.	1		An	alysis	and Me	thod		lab C	Only
Project: SMITH LAKE - MP33			VId	Lab WO#							TT			Z
Sampler: KELLY ROBINSON			3d	P 507049										(s) Y
Phone: 505-632-4166				Job Number	r	15			0.				ber	LSIV
Email(s): Kelly. Robiusar @ WNR. con	1			94012-011	5	y 80	51	-	300.0				Lab Number	ht/Pi
Project Manager: Kelly Pobiusay			Pag	ge j of j	-	ROH	V 80	418	e by				Lab	CO
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preserve	ative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by					Correct Cont/Prsrv (s) Y/N
CS-32	早-17-15	9:45	Soil	(1) 802		X	X						1	Y
CS-32 CS-33	7-17-15	11:25	Soil	(1)802		X	X						2	1
						1								
													\square	
			<u> </u>											
. 2													\square	
Relinguisted/by/(Signature) 7/Date 9:40	Laene	d by: (Signa	o	7/20/15 9:53					eØ/		II			
Relinquish∉d by: (Signature) Date Time	Received	d byl (Sigha	iture)	Date Time		9.] 5 Te	mp °		T2 8	516		T3_		•
Sample Matix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container 1		-		-		tic, ag -	amber	glass, v -	VOA	
**Samples requiring thermal preservation must be received on ice the day	they are sampled				s than 6C	on su	bseque	ent da	ys.				100	
Sample(s) dropped off after hours to a secure drop off area.		Chain of	f Custody	y Notes/Billing info: PO 12613	3182	_			.5					
Analytical Laboratory			ington, NM 87401 o Steer, Suite 115,		(505) 632-06 (970) 759-86			and a local division of the				Page 9	virotech-in 9 of 9	

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Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:53:00AM Job Number: 96012-0115 Work Order: P507050 Project Name/Location: Smith Lake- MP 33

Date: 7/21/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	A STATE OF A
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:55

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-34	P507050-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.

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Page 2 of 8

Western Refining Southwest, Inc.Project Name:PO Box 159Project Number:Bloomfield NM, 87413Project Manager:			Smith Lake- MP 33 96012-0115 Kelly Robinson					Reported: 21-Jul-15 14:55		
			CS-34 50-01 (So	olid)						
		Reporting								
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
Volatile Organics by EPA 8021							A Start			
Benzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B		
Toluene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B		
Ethylbenzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B		
p,m-Xylene	ND	0.20	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B		
o-Xylene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B		
Total Xylenes	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B		
Total BTEX	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B		
Surrogate: 4-Bromochlorobenzene-PID		99.9 %	50	-150	1530002	07/20/15	07/20/15	EPA 8021B		
Nonhalogenated Organics by 8015								í er er		
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D		
Surrogate: o-Terphenyl		107 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D		
Surrogate: 4-Bromochlorobenzene-FID		98.3 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D		

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	Contraction in a
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:55

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530002 - Purge and Trap EPA 503	0A									
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15			1.	1.0
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	**							
Ethylbenzene	ND	0.10								
p,m-Xylene	ND	0.20								
o-Xylene	ND	0.10	н							
Total Xylenes	ND	0.10	*							
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.316		"	0.319		98.9	50-150			3
LCS (1530002-BS1)				Prepared: 2	0-Jul-15 A	nalyzed: 2	l-Jul-15			
Benzene	18.5	0.10	mg/kg	20.0		92.4	75-125			s an s
Toluene	19.4	0.10	"	20.0		96.8	70-125			
Ethylbenzene	20.3	0.10	*	20.0		101	75-125			
p,m-Xylene	40.6	0.20		40.0		102	80-125			
o-Xylene	20.0	0.10	"	20.0		100	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.319		"	0.320		99.8	50-150			
Matrix Spike (1530002-MS1)	Sou	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 2	l-Jul-15			
Benzene	17.1	0.10	mg/kg	20.0	ND	85.5	75-125			
Toluene	18.0	0.10	**	20.0	ND	90.2	70-125			
Ethylbenzene	18.9	0.10		20.0	ND	94.5	75-125			
p,m-Xylene	37.9	0.20	"	40.0	ND	94.9	80-125			
p-Xylene	18.8	0.10	**	20.0	ND	94.0	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.318		"	0.320		99.4	50-150			
Matrix Spike Dup (1530002-MSD1)	Sou	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 21	l-Jul-15			
Benzene	18.8	0.10	mg/kg	20.0	ND	93.9	75-125	9.43	15	
Toluene	19.8	0.10		20.0	ND	98.9	70-125	9.24	15	
Ethylbenzene	20.7	0.10	"	20.0	ND	104	75-125	9.26	15	
p,m-Xylene	41.6	0.20		40.0	ND	104	80-125	9.16	15	
p-Xylene	20.5	0.10		20.0	ND	103	75-125	8.85	15	
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.320		100	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:55

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A									-4	
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.307		"	0.319		96.1	50-150			_
LCS (1530002-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	433	20.0	mg/kg	449		96.3	80-120		-	
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
Matrix Spike (1530002-MS1)	Sou	rce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	405	20.0	mg/kg	449	ND	90.1	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.3	50-150			
Matrix Spike Dup (1530002-MSD1)	Sou	rce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 2	l-Jul-15			
Gasoline Range Organics (C6-C10)	442	20.0	mg/kg	449	ND	98.4	75-125	8.77	15	
Surrogate: 4-Bromochlorobenzene-FID	0.313		п	0.320		97.8	50-150			



Western Refining Southwest, Inc.	Project Name:		
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:55

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

%REC	%REC Limits		RPD	
%REC	Limits			
		RPD	Limit	Notes
	1	1	110	1.
20-Jul-15		_		1
			1	a section
109	50-200			
20-Jul-15				
104	38-132			
108	50-200			10.00
20-Jul-15			. a. 1.4.	5
67.1	38-132			
70.0	50-200			
20-Jul-15			1.41	4
73.0	38-132	8.59	20	
	50-200			
		73.0 38-132	73.0 38-132 8.59	73.0 38-132 8.59 20



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:55

Notes and Definitions

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

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Client: WESTERN R	EFINING	3-			RUSH?	La	b Use Only			An	alysis	and Me	thod		1	ab Only
Project: SMITH LAK					VId		Lab WO#				Π		T	T	-	Z
Sampler: KELLY RO					3d	P 50-	1050									(s) Y
Phone: 505-632-		1.				Jo	b Number	8015			0					rsrv
Email(s): Kelly. Robin	use @ w	UP. COM				960	12-011	5 08	11	-	300.0					Cont/Prsrv
Project Manager: Kelly	Robinsay				Pag	e of	1	aki aki GRO/DRO by	8021	418.1	à					Cor
Sample	7		Sample Date	Sample Time	Matrix		ontainers /TYPE/Preservative		BTEX by 8	TPH by	Chloride					Correct Cont/Prsrv (s) Y/N
CS-34			7/17/15	15:00	Soil	(1) 80Z		X	X							14
		1														
						11										
Palan inte		1														
	1.11						1.44									
				11 /01			-									
Relinguistied by: (Signature)	7/20/15	9:40	Lappe	by: (Signa	2	7/24/5	7:53	**Rece	ived	on le		b Use / N	Only			
Relinquished by: (Signature)	Date	Time	¹ Received	d by:/(sight	áture)	Daté	Time	T17.8 AVG Te	mp	°c_7.	7-	_			ГЗ	-
Sample Matrix: S - Soil, 6d - Solid, Sg - Sl		CITED STRATT		1.1			Container Ty					tic, ag	ambe	er glass	, v - V	OA
**Samples requiring thermal preservati			they are sampled					than 6C on si	ubsequ	uent da	ays.		-			
Sample(s) dropped off after hours				Chain o	f Custody		12613	182								
Benvir	otec	:h			sington, NM 87401	Daraneo (0.81151		051632-0615 To		-				P	age 8	of 8



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:50:00AM Job Number: 96012-0115 Work Order: P507051 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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7/21/15

Date:

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:57

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-35	P507051-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	et Name: et Number: et Manager:	9601	h Lake- MP 2-0115 y Robinson	33			Reported: 21-Jul-15 14	
			CS-35 51-01 (Se	olid)					
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021							Sec. 2		
Benzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	50	-150	1530002	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015						_			
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		110 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.5 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	A STATE OF THE STA
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:57

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A									111	in the second
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Benzene	ND	0.10	mg/kg			1.1			1.1.1	1.5
Toluene	ND	0.10								
Ethylbenzene	ND	0.10	**							
p,m-Xylene	ND	0.20								
p-Xylene	ND	0.10								
Total Xylenes	ND	0.10								
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.316		н	0.319		98.9	50-150		1.1	
LCS (1530002-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Benzene	18.5	0.10	mg/kg	20.0		92.4	75-125			
Toluene	19.4	0.10		20.0		96.8	70-125			
Ethylbenzene	20.3	0.10	**	20.0		101	75-125			
p,m-Xylene	40.6	0.20	**	40.0		102	80-125			
o-Xylene	20.0	0.10	**	20.0		100	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.319		и	0.320		99.8	50-150			1
Matrix Spike (1530002-MS1)	Sou	urce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 21	1-Jul-15			
Benzene	17.1	0.10	mg/kg	20.0	ND	85.5	75-125			
Toluene	18.0	0.10		20.0	ND	90.2	70-125			
Ethylbenzene	18.9	0.10	**	20.0	ND	94.5	75-125			
p,m-Xylene	37.9	0.20	**	40.0	ND	94.9	80-125			
o-Xylene	18.8	0.10		20.0	ND	94.0	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.318		n	0.320		99.4	50-150			
Matrix Spike Dup (1530002-MSD1)	Sou	rce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 21	l-Jul-15			
Benzene	18.8	0.10	mg/kg	20.0	ND	93.9	75-125	9.43	15	
Foluene	19.8	0.10	п	20.0	ND	98.9	70-125	9.24	15	
Ethylbenzene	20.7	0.10		20.0	ND	104	75-125	9.26	15	
o,m-Xylene	41.6	0.20		40.0	ND	104	80-125	9.16	15	
p-Xylene	20.5	0.10		20.0	ND	103	75-125	8.85	15	
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.320		100	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:57

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A		i in di							The last	
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.307		"	0.319		96.1	50-150			
LCS (1530002-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	433	20.0	mg/kg	449		96.3	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
Matrix Spike (1530002-MS1)	Sou	rce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	405	20.0	mg/kg	449	ND	90.1	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.3	50-150			
Matrix Spike Dup (1530002-MSD1)	Sou	rce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	442	20.0	mg/kg	449	ND	98.4	75-125	8.77	15	
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.320		97.8	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:57

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

					•	_				_
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530003 - DRO Extraction EPA 3550M	1.1								1.1	
Blank (1530003-BLK1)				Prepared &	Analyzed:	20-Jul-15			1	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		"	40.0		109	50-200			1.17
LCS (1530003-BS1)	-			Prepared &	Analyzed:	20-Jul-15				1
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		п	40.0		108	50-200			
Matrix Spike (1530003-MS1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15			1.44	1
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		"	39.9		70.0	50-200			
Matrix Spike Dup (1530003-MSD1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				16.6
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9		**	40.0		77.2	50-200			1-1-1

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:57

Notes and Definitions

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

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Client: WESTERN REFINING			RUSH?	La	b Use Only		Analysis and Method							
Project: SMITH LAKE - MP33		1d	Lab WO#			T		1.019313		T		1	Only	
Sampler: KELLY ROBINSON			3d	P50	7051							1.2		(λ (s)
Phone: 505-632-4166				J	ob Number	15			0.				ber	SIZ
Email(s): Kelly. Robiusar @ wwe.com	4			940	12-0115	1 80	51	4	300				Lab Number	nt/P
Project Manager: Kelly Pobiusay			Pag	e) of	1	- Que	y 80	418	e by	1			Lab	t Col
Sample ID	Sample Date	Sample Time	Matrix		ontainers IYPE/Preservat	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0					Correct Cont/Prsrv (s) Y/N
CS-35	7/17/15	15:30	Soil	(1) 80	2	X	X						1	Y
														T
													T	T
														t
						-	+						+	+
								-			-		+	-
					_		-	-		-	-		+	+
							-				-		+	+
							-						-	-
\cap	-													
Relinquished by: (Signature) Date Time			7/20/15				*Received on Ice / N							
V Relinquished by: (Signature) Date Time	Received	d by: (Signa	fture)	Daté	Time	T1 8.0 AVG Te		°c_9	τ2_ ζ.Ο			T3	·	-
Sample Matix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					Container Ty	/pe: g - gla	155, p	- poly	//plas	tic, ag	ambe	r glass,	- VO	A
**Samples requiring thermal preservation must be received on ice the day	they are sampled					than 6C on s	ubsequ	ient da	ays.					
Sample(s) dropped off after hours to a secure drop off area.		Chain o	f Custody		IZL013	182								
Analytical Laboratory		-	ington, NUA 87401	, Distange, CO 31101		051632-0615 T		200 C				Par	e 8 o	tilar red



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:51:00AM Job Number: 96012-0115 Work Order: P507052 Project Name/Location: Smith Lake- MP 33

Date: 7/21/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:58

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	1.16
CS-40	P507052-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.	1

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	et Name: et Number: et Manager:	9601 Kelly	h Lake- MP 2-0115 y Robinson	33			Reported: 21-Jul-15 14:	
			CS-40 52-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021				115					
Benzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID Nonhalogenated Organics by 8015		99.0 %	50	-150	1530002	07/20/15	07/20/15	EPA 8021B	
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		106 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.8 %	50	-150	1530002	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and a second second
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:58

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A			-						1.43	(and
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				Barr
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	**							
Ethylbenzene	ND	0.10	*							
p,m-Xylene	ND	0.20								
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	*							
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.316		n	0.319		98.9	50-150		1.00	1.0
LCS (1530002-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15		1.00	
Benzene	18.5	0.10	mg/kg	20.0		92.4	75-125		111	
Toluene	19.4	0.10	"	20.0		96.8	70-125			
Ethylbenzene	20.3	0.10	*	20.0		101	75-125			
p,m-Xylene	40.6	0.20		40.0		102	80-125			
o-Xylene	20.0	0.10		20.0		100	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.319			0.320		99.8	50-150			1.15
Matrix Spike (1530002-MS1)	Sou	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed; 2	1-Jul-15			
Benzene	17.1	0.10	mg/kg	20.0	ND	85.5	75-125			1714
Toluene	18.0	0.10		20.0	ND	90.2	70-125			
Ethylbenzene	18.9	0.10	**	20.0	ND	94.5	75-125			
p,m-Xylene	37.9	0.20		40.0	ND	94.9	80-125			
p-Xylene	18.8	0.10	**	20.0	ND	94.0	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.318		11	0.320		99.4	50-150			
Matrix Spike Dup (1530002-MSD1)	Sou	rce: P507047-	02	Prepared: 2	0-Jul-15 A	nalyzed: 2	l-Jul-15			1.1
Benzene	18.8	0.10	mg/kg	20.0	ND	93.9	75-125	9.43	15	
Toluene	19.8	0.10		20.0	ND	98.9	70-125	9.24	15	
Ethylbenzene	20.7	0.10	"	20.0	ND	104	75-125	9.26	15	
p,m-Xylene	41.6	0.20		40.0	ND	104	80-125	9.16	15	
o-Xylene	20.5	0.10	"	20.0	ND	103	75-125	8.85	15	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:58

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530002 - Purge and Trap EPA 5030A		in the second	No.		-		1	1994	1.00	<u>.</u>
Blank (1530002-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							1
Surrogate: 4-Bromochlorobenzene-FID	0.307		"	0.319		96.1	50-150			
LCS (1530002-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	433	20.0	mg/kg	449		96.3	80-120	0		
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
Matrix Spike (1530002-MS1)	Sou	rce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	405	20.0	mg/kg	449	ND	90.1	75-125		1 1 1 M	
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320	-	97.3	50-150			
Matrix Spike Dup (1530002-MSD1)	Sou	rce: P507047-	02	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15	1.11	(here is	
Gasoline Range Organics (C6-C10)	442	20.0	mg/kg	449	ND	98.4	75-125	8.77	15	
Surrogate: 4-Bromochlorobenzene-FID	0.313		n	0.320		97.8	50-150	1	2.1	



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and the stand start
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:58

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

				-						
Andre	Bassilt	Reporting	Units	Spike Level	Source	%REC	%REC Limits	RPD	RPD Limit	Natas
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530003 - DRO Extraction EPA 3	550M									
Blank (1530003-BLK1)				Prepared &	Analyzed:	20-Jul-15			1	1000
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		"	40.0		109	50-200			
LCS (1530003-BS1)				Prepared &	Analyzed:	20-Jul-15				mark
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		"	40.0		108	50-200			1
Matrix Spike (1530003-MS1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15			and and	
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		"	39.9		70.0	50-200			1
Matrix Spike Dup (1530003-MSD1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15	4		at sug	die hi
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9		"	40.0		77.2	50-200		1.0	



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:58

Notes and Definitions

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

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Page 7 of 8

Client: WESTERN REFINING			RUSH?	La	b Use Only		5	Ana	lysis a	nd Metho	bd	li	ab Only
Project: SMITH LAKE - MP3: Sampler: KELLY ROBINSON	3	_	√ 1d 3d		Lab WO#								Lab Number Correct Cont/Prsiv (s) Y/N
Phone: 505-632-4166				Jo	b Number	8015			300.0				Lab Number Cont/Prsrv
Email(s): Kelly. Robiusar C WNR	.com			940	012-0115	by 8	021	8.1	y 30				ont/F
Project Manager: Kelly Robinson	1.6.1		Pag		1	ORO	oy 8(y 41	de b				ct C(
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservati	GRO/DRO by	BTEX by 8021	TPH by 418.1	Chloride by				_
CS-40	7/17/15	15:40	S	(1) 802	_	X	X						14
22-41-27													
In the second second													
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a contraction of the second						_					-		_
Alexandre and a second													
			1.1										
0													
- 00,0001 (-7/5	40 Haine	by: (Signa		7/20/18 Date	Time 9:57 Time	**Rece			eW/	Use On N	Y.	T3	
						AVG Te	mp °	c_5	.3		-		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Ot					Container Ty	pe: g - gla	ss, p	- poly	/plasti	c, ag - an	nber glas	s, v - V	OA
Samples requiring thermal preservation must be received on id Sample(s) dropped off after hours to a secure drop off area			packed in ice f Custody	/ Notes/Billi	ng info:	1	ibsequ	ent da	iys.				
(A and and a start	1.1.1.1			PO	126131	52					-		
Analytical Laboratory	S796 US H		ington, NA 87401 Steel, Suite 115	Durange, (0.8110)		053637-0615 Tx /01/759-0615 Tr		DATES .			P	Page 8	of 8



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:50:00AM Job Number: 96012-0115 Work Order: P507053 Project Name/Location: Smith Lake- MP 33

Date: 7/21/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:59

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-38	P507053-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.

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Page 2 of 8

Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Project Name:Smith Lake- MP 33Project Number:96012-0115Project Manager:Kelly Robinson				33			Reported: 21-Jul-15 14	
			CS-38 53-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021		1	101				David	Y-1-1	
Benzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Foluene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
o,m-Xylene	ND	0.20	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.7 %	50	-150	1530004	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015							1	and the second	2 2.
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		101 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.4 %	50	-150	1530004	07/20/15	07/20/15	EPA 8015D	



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and the second se
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:59

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530004 - Purge and Trap EPA 50	30A						1.1			
Blank (1530004-BLK1)				Prepared: 2	20-Jul-15 A	analyzed: 2	I-Jul-15			
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10								
Ethylbenzene	ND	0.10								
p,m-Xylene	ND	0.20	*							
o-Xylene	ND	0.10	н							
Total Xylenes	ND	0.10								
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.317		**	0.319		99.5	50-150			10.00
LCS (1530004-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 21	l-Jul-15			
Benzene	17.4	0.10	mg/kg	20.0		87.1	75-125			1.12
Foluene	18.4	0.10	"	20.0		92.2	70-125			
Ethylbenzene	19.4	0.10	"	20.0		97.1	75-125			
p,m-Xylene	38.8	0.20	"	40.0		97.2	80-125			
o-Xylene	19.2	0.10	"	20.0		96.2	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.322		"	0.320		101	50-150			
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	I-Jul-15			
Benzene	17.6	0.10	mg/kg	20.0	ND	88.4	75-125			1.1.1
Toluene	18.7	0.10		20.0	ND	94.0	70-125			
Ethylbenzene	19.7	0.10	**	20.0	ND	98.7	75-125			
o,m-Xylene	39.6	0.20		39.9	ND	99.1	80-125			
o-Xylene	19.5	0.10		20.0	ND	97.9	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.321			0.319		101	50-150			1.5
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	-Jul-15			
Benzene	18.4	0.10	mg/kg	19.9	ND	92.1	75-125	4.02	15	
Foluene	19.5	0.10	"	19.9	ND	97.9	70-125	4.06	15	
Ethylbenzene	20.5	0.10	"	19.9	ND	103	75-125	4.05	15	
o,m-Xylene	41.2	0.20		39.9	ND	103	80-125	3.93	15	
o-Xylene	20.3	0.10		19.9	ND	102	75-125	3.87	15	
Surrogate: 4-Bromochlorobenzene-PID	0.428		"	0.319		134	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:59

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530003 - DRO Extraction EPA 3550M							1.1	a 11		
Blank (1530003-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		n	40.0		109	50-200			
LCS (1530003-BS1)				Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		п	40.0		108	50-200			
Matrix Spike (1530003-MS1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		"	39.9		70.0	50-200			
Matrix Spike Dup (1530003-MSD1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15		1.4	0.1	
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9		"	40.0		77.2	50-200			



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	and the second
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:59

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	C des
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530004 - Purge and Trap EPA 5030A										1.0
Blank (1530004-BLK1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	I-Jul-15			
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.309		n	0.319		96.7	50-150			6
LCS (1530004-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	l-Jul-15			
Gasoline Range Organics (C6-C10)	413	20.0	mg/kg	449		92.1	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.313		n	0.320		97.9	50-150			
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 2	l-Jul-15			
Gasoline Range Organics (C6-C10)	424	20.0	mg/kg	448	ND	94.6	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.319		98.1	50-150			
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	01	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	440	19.9	mg/kg	448	ND	98.2	75-125	3.70	15	
Surrogate: 4-Bromochlorobenzene-FID	0.273		"	0.319		85.6	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 14:59

Notes and Definitions

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	

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Client: WESTERN REFINING			RUSH?	La	b Use Only			Ana	alysis	and Met	hod		lab	Onl
Project: SMITH LAKE - MP33 Sampler: KELLY ROBINSON			V 1d 3d	P 50	lab WO# 7053									Correct Cont/Prsrv (s) V/N
Phone: 505-632-4166				Jo	b Number	115			0.	10			ber	LISIN
Email(s): Kelly. Robiusar @ www.com				940	12-0115	V 80	17	-	300.0	1.0			Lab Number	h/p
Project Manager: Kelly Robiusay			Pag	L		00	80	418.1	e by				Lab	Cor
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservati	GRO/DRO by 8015	BTEX by 8021	трн by	Chloride by					Correct
CS-38	דו/רו/ר	10:10	Soil	(1) 80Z		X	X						1	Y
					1.7					-				
											2			
0														
Relinquished by (Signature) pate 7/20/15 2.40		i by: (Signa		7/20/15	7:51	**Rece	ived	on lo		b Use C / N	Inly			
Relinquished by: (Signature) Date Time	Received	iby: (Signa	iture)	Date	Time	T1 6.V AVG Te		'c_()	,4 .4	_		T3_		-
Sample Matter: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		_			Container Ty					tic, ag -	amber g	glass, v	- VO/	4
**Samples requiring thermal preservation must be received on ice the day	they are sampled					han 6C on su	ubsequ	ent da	ays.		1			
Sample(s) dropped off after hours to a secure drop off area.		Chain o	f Custody		126131	82								
Benvirotech			ington, SUA 8740	1 Darance (0.61301		05)637-0635 Tx						Page	winterh	



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:58:00AM Job Number: 96012-0115 Work Order: P507054 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

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7/21/15

Date:

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:01

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-41	P507054-01A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.
	P507054-01B	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.

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Page 2 of 8

Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:01

CS-41 P507054-01 (Solid)									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	1.1.1.1		2.1.	1		1.00	- Levi	Channel S	-
Benzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	50	-150	1530004	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015	1.1				100			11 - 22	1.1.1
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	- 1	1530004	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		100 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.8 %	50	-150	1530004	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:01

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530004 - Purge and Trap EPA 50	30A					1	1.00			
Blank (1530004-BLK1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Benzene	ND	0.10	mg/kg						1	12-
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10								
p,m-Xylene	ND	0.20								
p-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.317		"	0.319		99.5	50-150			1
LCS (1530004-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 21	I-Jul-15			
Benzene	17.4	0.10	mg/kg	20.0		87.1	75-125	100		1.00
Foluene	18.4	0.10		20.0		92.2	70-125			
Ethylbenzene	19.4	0.10	н	20.0		97.1	75-125			
p,m-Xylene	38.8	0.20		40.0		97.2	80-125			
o-Xylene	19.2	0.10	**	20.0		96.2	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.322		"	0.320		101	50-150			
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	I-Jul-15			
Benzene	17.6	0.10	mg/kg	20.0	ND	88.4	75-125			1.5
Foluene	18.7	0.10		20.0	ND	94.0	70-125			
Ethylbenzene	19.7	0.10	н	20.0	ND	98.7	75-125			
o,m-Xylene	39.6	0.20	н	39.9	ND	99.1	80-125			
o-Xylene	19.5	0.10	"	20.0	ND	97.9	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.319		101	50-150			
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	-Jul-15			
Benzene	18.4	0.10	mg/kg	19.9	ND	92.1	75-125	4.02	15	
Foluene	19.5	0.10	**	19.9	ND	97.9	70-125	4.06	15	
thylbenzene	20.5	0.10	**	19.9	ND	103	75-125	4.05	15	
,m-Xylene	41.2	0.20		39.9	ND	103	80-125	3.93	15	
-Xylene	20.3	0.10		19.9	ND	102	75-125	3.87	15	
Surrogate: 4-Bromochlorobenzene-PID	0.428		n	0.319		134	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:01

Nonhalogenated Organics by 8015 - Quality Control

Envirotech	Anal	ytical	Laboratory
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		Reporting		Spike	Source	NIDEG	%REC		RPD	N
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530003 - DRO Extraction EPA 3550N	1			20.00				in the	2.2	
Blank (1530003-BLK1)		1.1		Prepared &	Analyzed:	20-Jul-15			1973	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		"	40.0		109	50-200			
LCS (1530003-BS1)				Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		"	40.0		108	50-200			
Matrix Spike (1530003-MS1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15			The second	
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		"	39.9		70.0	50-200			
Matrix Spike Dup (1530003-MSD1)	Sou	irce: P507047-	02	Prepared &	Analyzed:	20-Jul-15	1.11		100	
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9			40.0		77.2	50-200			

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Western Refining Southwest, Inc.	Project Name:		
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:01

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530004 - Purge and Trap EPA 5030A										
Blank (1530004-BLK1)				Prepared: 2	0-Jul-15 A	nalyzed: 2	I-Jul-15			
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg			1.615				
Surrogate: 4-Bromochlorobenzene-FID	0.309		"	0.319		96.7	50-150			42
LCS (1530004-BS1)				Prepared: 2	0-Jul-15 A	nalyzed: 21	Jul-15			
Gasoline Range Organics (C6-C10)	413	20.0	mg/kg	449		92.1	80-120		1000	1. A.
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.320		97.9	50-150		1.1	101
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	-Jul-15			
Gasoline Range Organics (C6-C10)	424	20.0	mg/kg	448	ND	94.6	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.319		98.1	50-150			
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	-Jul-15			
Gasoline Range Organics (C6-C10)	440	19.9	mg/kg	448	ND	98.2	75-125	3.70	15	
Surrogate: 4-Bromochlorobenzene-FID	0.273		"	0.319		85.6	50-150			1

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:01

Notes and Definitions

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

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Client: WESTERN REFINING			RUSH?	Lal	b Use Only			Ana	alysis	and Met	thod		lab	Only
Project: SMITH LAKE - MP33 Sampler: KELLY ROBINSON			V 1d 3d		Lab WO# 507054									Correct Cont/Prsrv (s) Y/N
Phone: 505-632-4166				Jo	b Number	015			0.0				nber	rsrv
Email(s): Kelly. Robiusar @ WNR.	cou			941	012-011	oy 8(0	21	T	300				Lab Number	nt/P
Project Manager: Kelly Robinson			Pag	e of	L	RO	y 80	418	le by			10	Lab	tCo
Sample ID	Sample Date	Sample Time	Matrix	QTY - Vol/T	ntainers YPE/Preservati	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0					-
CS-41	7/17/15	1800	Soil	a) toz		X	X						1	Y.
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and a difference of the second s		1		Data	Time									
Relinquished by TSignature) Relinquished by: (Signature) Relinquished by: (Signature) Date TI Date TI		by: (Sign	ർ	7/29/15 Date	958 Time	**Rece	ived	on la			Uniy		2	
	1 1	TOY. OIGH	ature)	Dute	init.	AVG Te		c_9				TS	-	5
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Othe					Container Ty			_		tic, ag -	amber	glass,	1 - VO	A
**Samples requiring thermal preservation must be received on ice	the day they are sampled					han 6C on si	ubsequ	ent da	oys.	1	2.5			_
Sample(s) dropped off after hours to a secure drop off area.		chain c	of Custody	and the second se	126131	82								
Analytical Laboratory		-	nington, XXA 87401 Io Storet, Suite 115	1 , Durango, CD 81303		051-632-0615 To 101-759-0615 To					ľ		e 8 o	



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:50:00AM Job Number: 96012-0115 Work Order: P507055 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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7/21/15

Date:

Page 1 of 8



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:02

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-39	P507055-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.

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Page 2 of 8

Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	et Name: et Number: et Manager:	9601	h Lake- MP 2-0115 y Robinson	33			Reported: 21-Jul-15 15	
			CS-39 55-01 (Se	olid)					
		Reporting					100		
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021							and		
Benzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
o-Xylene	0.12	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	0.12	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total BTEX	0.12	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		103 %	50	-150	1530004	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015			1						
Gasoline Range Organics (C6-C10)	44.2	20.0	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	45.0	35.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		110 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		102 %	50	-150	1530004	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:02

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530004 - Purge and Trap EPA 50	30A									
Blank (1530004-BLK1)				Prepared: 2	0-Jul-15 A	nalyzed: 21	I-Jul-15			
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10								
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20								
p-Xylene	ND	0.10	**							
Total Xylenes	ND	0.10								
Total BTEX	ND	0.10	**							
Surrogate: 4-Bromochlorobenzene-PID	0.317		**	0.319		99.5	50-150			
LCS (1530004-BS1)				Prepared: 2	0-Jul-15 A	nalyzed: 21	I-Jul-15			
Benzene	17.4	0.10	mg/kg	20.0		87.1	75-125			
Toluene	18.4	0.10	"	20.0		92.2	70-125			
Ethylbenzene	19.4	0.10		20.0		97.1	75-125			
p,m-Xylene	38.8	0.20		40.0		97.2	80-125			
o-Xylene	19.2	0.10		20.0		96.2	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.322		"	0.320		101	50-150			
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	-Jul-15			
Benzene	17.6	0.10	mg/kg	20.0	ND	88.4	75-125			
Toluene	18.7	0.10	**	20.0	ND	94.0	70-125			
Ethylbenzene	19.7	0.10		20.0	ND	98.7	75-125			
o,m-Xylene	39.6	0.20	**	39.9	ND	99.1	80-125			
o-Xylene	19.5	0.10	0.94	20.0	ND	97.9	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.319		101	50-150			
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	01	Prepared: 2	0-Jul-15 A	nalyzed: 21	-Jul-15			
Benzene	18.4	0.10	mg/kg	19.9	ND	92.1	75-125	4.02	15	
Toluene	19.5	0.10		19.9	ND	97.9	70-125	4.06	15	
Ethylbenzene	20.5	0.10	. 11	19.9	ND	103	75-125	4.05	15	
o,m-Xylene	41.2	0.20		39.9	ND	103	80-125	3.93	15	
p-Xylene	20.3	0.10		19.9	ND	102	75-125	3.87	15	
Surrogate: 4-Bromochlorobenzene-PID	0.428		17	0.319		134	50-150			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:02

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

			7.1		1.17					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Allalyte	Result	Linnt	Units	Level	Result	70KLC	Linns	KI D	Linnt	THORES
Batch 1530003 - DRO Extraction EPA 3550M			3	1.1.1						
Blank (1530003-BLK1)				Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		"	40.0		109	50-200			
LCS (1530003-BS1)				Prepared &	Analyzed:	20-Jul-15		1.0		
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		"	40.0		108	50-200			
Matrix Spike (1530003-MS1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		n	39.9		70.0	50-200			
Matrix Spike Dup (1530003-MSD1)	Sou	irce: P507047-	-02	Prepared &	Analyzed:	20-Jul-15			1	- 6
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9		"	40.0		77.2	50-200	1.17	-	1.5



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:02

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

			52		1999					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530004 - Purge and Trap EPA 5030A									100	11%
Blank (1530004-BLK1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.309		"	0.319		96.7	50-150			1.8
LCS (1530004-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	l-Jul-15			
Gasoline Range Organics (C6-C10)	413	20.0	mg/kg	449		92.1	80-120		1000	1 Part
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.320		97.9	50-150			41
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	01	Prepared: 2	20-Jul-15 A	nalyzed: 2	I-Jul-15			
Gasoline Range Organics (C6-C10)	424	20.0	mg/kg	448	ND	94.6	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.319		98.1	50-150			
Matrix Spike Dup (1530004-MSD1)	Sour	rce: P507053-	01	Prepared: 2	20-Jul-15 A	nalyzed: 2	I-Jul-15			
Gasoline Range Organics (C6-C10)	440	19.9	mg/kg	448	ND	98.2	75-125	3.70	15	
Surrogate: 4-Bromochlorobenzene-FID	0.273		**	0.319		85.6	50-150			10



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:02

Notes and Definitions

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

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Client: WESTERN REFINING			RUSH?	La	b Use Only		-	Ana	alysis a	nd Met	hod		lab	Only
Project: SMITH LAKE - MP3.	3		Vid		Lab WO#		Γ		ĹΤ		TT	T		2
Sampler: KELLY ROBINSON			3d	P 50	1055									(s) Y
Phone: 505-632-4166					b Number	8015			0			ber	SIZ	
Email(s): Kelly. Robiusar C WNR	. (04				12-011	V 80	17	-	300.0			MUM	tt/Pr	
Project Manager: Kelly Pobiusa			Pag	e of		d b	803	418.1	e by				Lab Number	Cor
Sample ID	Sample Date	Sample Time	Matrix	1111	ntainers YPE/Preservat	GRO/DRO by	BTEX by 8021	трн by	Chloride by					Correct Cont/Prsrv (s) Y/N
CS-39	7/17/15	1700	Soil	(1) 802		X	X						1	Y
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07.11 S. 1.					_		-			-		-		
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Relinguished by: (Signature) 1/20/15 9:	40 Lano			7/2/15	Time 9:50	**Rece	Lab Use Only **Received on Ice ()/ N							
	Time Receive	1)bý: (Signa	ature)	Date	Time	T1 8.3 AVG Te	3		T2	-		Т3		-
Sample Matur: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Ot				- Andrew	Container Ty					ic, ag - a	amber	glass, v	- VO/	4
**Samples requiring thermal preservation must be received on ic Sample(s) dropped off after hours to a secure drop off area			packed in ice of Custody	/ Notes/Billin			ibsequ	ient da	ays.				-	
Cenvirotech	5796 US		nington, HM 87401 In Storet, Soute 115		Pb (50	051632-0615 Tx		-			P	Pag	e 8 of	f 8



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:50:00AM Job Number: 96012-0115 Work Order: P507056 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

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7/21/15

Date:

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:03

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-36	P507056-01A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.
CS-37	P507056-02A	Soil	07/17/15	07/20/15	Glass Jar, 8 oz.

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Project Name:Smith Lake- MP 33Project Number:96012-0115Project Manager:Kelly Robinson				Reported: 21-Jul-15 15:03				
			CS-36 56-01 (Se	olid)					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	1	1	14	6.534			1.11	de ster	
Benzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	50	-150	1530004	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015 Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		112 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.4 %	50	-150	1530004	07/20/15	07/20/15	EPA 8015D	51 ²

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Project Name:Smith Lake- MP 33Project Number:96012-0115Project Manager:Kelly Robinson					Reported: 21-Jul-15 15			
			CS-37 56-02 (Se	olid)					
		Reporting						1	
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021						and the Real	10.00		1
Benzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	1.5
Toluene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		100 %	50	-150	1530004	07/20/15	07/20/15	EPA 8021B	
Nonhalogenated Organics by 8015	100			_				and the second second	
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg	1	1530004	07/20/15	07/20/15	EPA 8015D	1
Diesel Range Organics (C10-C28)	ND	40.0	mg/kg	2	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		108 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		99.3 %	50	-150	1530004	07/20/15	07/20/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:03

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530004 - Purge and Trap EPA 5030A			12	Sec.	1.11				135.4	1
Blank (1530004-BLK1)		n -		Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15	1	1.0	
Benzene	ND	0.10	mg/kg	100						
Toluene	ND	0.10								
Ethylbenzene	ND	0.10								
p,m-Xylene	ND	0.20	н							
p-Xylene	ND	0.10								
Total Xylenes	ND	0.10	*							
Total BTEX	ND	0.10								
Surrogate: 4-Bromochlorobenzene-PID	0.317		"	0.319		99.5	50-150		1.1.1	
LCS (1530004-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Benzene	17.4	0.10	mg/kg	20.0		87.1	75-125	1.1.		
Toluene	18.4	0.10	"	20.0		92.2	70-125			
Ethylbenzene	19.4	0.10		20.0		97.1	75-125			
p,m-Xylene	38.8	0.20		40.0		97.2	80-125			
o-Xylene	19.2	0.10	"	20.0		96.2	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.322			0.320		101	50-150			
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	-01	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Benzene	17.6	0.10	mg/kg	20.0	ND	88.4	75-125	1.1.1.1.	1000	
Toluene	18.7	0.10		20.0	ND	94.0	70-125			
Ethylbenzene	19.7	0.10		20.0	ND	98.7	75-125			
p,m-Xylene	39.6	0.20	"	39.9	ND	99.1	80-125			
o-Xylene	19.5	0.10	"	20.0	ND	97.9	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.319		101	50-150		11	1
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	-01	Prepared: 2	0-Jul-15 A	nalyzed: 2	l-Jul-15	Sec. 1	The second	the s
Benzene	18.4	0.10	mg/kg	19.9	ND	92.1	75-125	4.02	15	
Toluene	19.5	0.10	**	19.9	ND	97.9	70-125	4.06	15	
Ethylbenzene	20.5	0.10		19.9	ND	103	75-125	4.05	15	
p,m-Xylene	41.2	0.20	**	39.9	ND	103	80-125	3.93	15	
o-Xylene	20.3	0.10	**	19.9	ND	102	75-125	3.87	15	
Surrogate: 4-Bromochlorobenzene-PID	0.428			0.319		134	50-150	1		

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	72 C
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:03

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

									-	
Analysis	Result	Reporting Limit	Units	Spike	Source	%REC	%REC Limits	RPD	RPD Limit	Natas
Analyte	Result	Limit	Units	Level	Result	70REC	Limits	RPD	Limit	Notes
Batch 1530003 - DRO Extraction EPA 3550M	1			_			des au		- 1	1
Blank (1530003-BLK1)				Prepared &	Analyzed:	20-Jul-15			- 61	1.5
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		**	40.0		109	50-200			1
LCS (1530003-BS1)				Prepared &	Analyzed:	20-Jul-15			1.1	1
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		**	40.0		108	50-200			
Matrix Spike (1530003-MS1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15	1.1.1			
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		.17	39.9		70.0	50-200			
Matrix Spike Dup (1530003-MSD1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9		"	40.0		77.2	50-200			

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Western Refining Southw	vest, Inc. Project Nan	ne: Smith Lake- MP 33	
PO Box 159	Project Nur	nber: 96012-0115	Reported:
Bloomfield NM, 87413	Project Mar	hager: Kelly Robinson	21-Jul-15 15:03

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory											
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch 1530004 - Purge and Trap EPA 5030A				1				1.1			
Blank (1530004-BLK1)				Prepared:	20-Jul-15 A	nalyzed: 2	1-Jul-15				
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg								
Surrogate: 4-Bromochlorobenzene-FID	0.309		.0	0.319		96.7	50-150				
LCS (1530004-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15				
Gasoline Range Organics (C6-C10)	413	20.0	mg/kg	449		92.1	80-120				
Surrogate: 4-Bromochlorobenzene-FID	0.313		n	0.320		97.9	50-150				
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	-01	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15				
Gasoline Range Organics (C6-C10)	424	20.0	mg/kg	448	ND	94.6	75-125				
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.319		98.1	50-150				
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	01	Prepared: 20-Jul-15 Analyzed: 21-Jul-15			1-Jul-15				
Gasoline Range Organics (C6-C10)	440	19.9	mg/kg	448	ND	98.2	75-125	3.70	15		
Surrogate: 4-Bromochlorobenzene-FID	0.273		"	0.319		85.6	50-150				

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:03

Notes and Definitions

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

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Client: WESTERN REFIN	NG			RUSH?	La	b Use Only			Ana	lysis a	nd Metho	d	lat	b Only
Project: SMITH LAKE -				V Id		ab WO#					TT			N
Sampler: KELLY ROBINSO				3d	P 50	1054								(s) Y
Phone: 505-632-416						b Number	8015	1		0			ber	LSIV
Email(s): Kelly. Robiuson @		L			960	12-0115	1 N 80	21	ч.	300			ab Number	nt/P
Project Manager: Kelly Pobil	1201		11.	Pag	e of	T	- Q	/ 80:	418	e by			del	t Col
Sample ID		Sample Date	Sample Time	Matrix	1	ntainers YPE/Preservati	GRO/DRO by	BTEX by 8021	TPH by 418.1	Chloride by 300.0				Correct Cont/Prsrv (s) Y/N
CS-36		7/17/15	13:15	Soil	(1) 80z	-	X	X					1	Y
CS-36 CS-37				Soil	(1) 80°	2	X	X	1				2	24
								H						
					Sec.									
			130		16.14									
	1.5													
\cap														
Reinquished by: (Signature)	15 9:37	Lame	d by: (Signa	ì	7/20/15	Time 9:50	**Rece T1 <u>3.</u>	eived	on lo		Use Only N	· .	5	
Relinquished by: (Signature) Dat		Receive	d by (Signa	ture)	Daté	Time	T1 <u>3.</u> AVG Te	emp ⁶	c_l	T2 8	<u>.</u> [e		r3	-
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - A			12 S.	-	-	Container Ty	/pe:g-gla	ass, p	- poly	/plasti	ic, ag - am	ber glass	, v - VC	DA
**Samples requiring thermal preservation must be	received on ice the day	they are sampled				BAULT REAL PORT OF THE REAL	than BC on s	ubsequ	ient da	ys.		1111		
Sample(s) dropped off after hours to a secure			Chain o	fCustody		126131	182				-			
Benvirot	ech		Highway 64, Farm		1		051632-0615 1		2-1865			Pe		of Q



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/20/2015 9:49:00AM Job Number: 96012-0115 Work Order: P507057 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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7/21/15

Date:

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:06

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-34a-Trench Bottom	P507057-01A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.
CS-34a-N. Trench Wall	P507057-02A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.
CS-34a-S. Trench Wall	P507057-03A	Soil	07/17/15	07/20/15	Glass Jar, 4 oz.

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	et Name: et Number: et Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 21-Jul-15 15	
		CS-34a- P5070	French H 57-01 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							1.82		
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530004	07/20/15	07/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl		105 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.5 %	50	-150	1530004	07/20/15	07/21/15	EPA 8015D	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413		Name: Number: Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 21-Jul-15 15	
		CS-34a- P5070	N. Trenc 57-02 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	129	20.0	mg/kg	1	1530004	07/20/15	07/21/15	EPA 8015D	1000
Diesel Range Organics (C10-C28)	161	35.0	mg/kg	1	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: o-Terphenyl	Sec. Sec.	111 %	50	-200	1530003	07/20/15	07/20/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		107 %	50	-150	1530004	07/20/15	07/21/15	EPA 8015D	14

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	et Name: et Number: et Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 21-Jul-15 15	
		CS-34a- P5070	S. Trenc 57-03 (Se		115				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015						- 14			
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg	1	1530004	07/20/15	07/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1530003	07/20/15	07/21/15	EPA 8015D	
Surrogate: o-Terphenyl		108 %	50	-200	1530003	07/20/15	07/21/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.1 %	50	-150	1530004	07/20/15	07/21/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	The second second
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:06

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

					-				_	1000
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530003 - DRO Extraction EPA 3550M	1					311				1.1.1
Blank (1530003-BLK1)				Prepared &	Analyzed:	20-Jul-15			1.00	-
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	43.4		"	40.0		109	50-200			
LCS (1530003-BS1)		1.1		Prepared &	Analyzed:	20-Jul-15				- 1
Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500		104	38-132			
Surrogate: o-Terphenyl	43.4		"	40.0		108	50-200			
Matrix Spike (1530003-MS1)	Sou	rce: P507047-	-02	Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	335	25.0	mg/kg	499	ND	67.1	38-132			
Surrogate: o-Terphenyl	28.0		"	39.9		70.0	50-200			
Matrix Spike Dup (1530003-MSD1)	Sou	rce: P507047-	02	Prepared &	Analyzed:	20-Jul-15				
Diesel Range Organics (C10-C28)	365	25.0	mg/kg	500	ND	73.0	38-132	8.59	20	
Surrogate: o-Terphenyl	30.9		"	40.0		77.2	50-200			

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:06

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530004 - Purge and Trap EPA 5030A										
Blank (1530004-BLK1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	ND	19.9	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.309		"	0.319		96.7	50-150			
LCS (1530004-BS1)				Prepared: 2	20-Jul-15 A	nalyzed: 2	l-Jul-15			
Gasoline Range Organics (C6-C10)	413	20.0	mg/kg	449		92.1	80-120		18	
Surrogate: 4-Bromochlorobenzene-FID	0.313		n	0.320		97.9	50-150			
Matrix Spike (1530004-MS1)	Sou	rce: P507053-	01	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	424	20.0	mg/kg	448	ND	94.6	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.319		98.1	50-150			
Matrix Spike Dup (1530004-MSD1)	Sou	rce: P507053-	01	Prepared: 2	20-Jul-15 A	nalyzed: 2	1-Jul-15			
Gasoline Range Organics (C6-C10)	440	19.9	mg/kg	448	ND	98.2	75-125	3.70	15	
Surrogate: 4-Bromochlorobenzene-FID	0.273		"	0.319		85.6	50-150			



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	21-Jul-15 15:06

Notes and Definitions

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

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Page 8 of 9

Client: WESTERN K	REFINING	1.0		RUSH?	La	b Use Only		3	Ana	lysis an	d Method		lab	Only
Project: SMITH LAK				Vid		Lab WO#							1	N
Sampler: KELLY RO	BINSON			3d	P50-	7057								(s) Y
Phone: 505-632-						b Number	015			0.0			Lab Number	LISIN
Email(s): Kelly. Robin	way C WNR. CO	м			941	012-0115	by 8015	21	1	300			Nun	nt/P
Project Manager: Kelly	Robinson			Pag	ge of		RO	V 80	418	le by			Lab	C
Sample	e ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservati	a GRO/DRO	BTEX by 8021	TPH by 418.1	Chloride by 300.0				Correct Cont/Prsrv (s) Y/N
CS-34a - TREN	UCH BOTTOM	7/17/15	14:00	5	01 400	2	X						1	*
CS-34a - N. T		7/17/15	14:20	S	0140	2	X	1					2	Y
CS-34a-5.		7/17/15	14:30	5	034	02	X						3	Y
				-									T	
						-							T	T
Sector States													1	T
				,										t
	JA													
0	1.0					1.1							T	
Refinquished by: (Signature)	Date Time 7/2=/15 9:37	Lame	d by: (Signa	iture)	7/10/15	Time 94	**Rece	ived	on lo	101	Use Only N	1		1
Relinquished by: (Signature)	Date Time	Receive	d by? (Signa	ture)	Date	Time	T1 <u>9.0</u> AVG Te	emp°	c 9	12 8-	8	T3	93	-
Sample Matter: 5 - Soil, Sd - Solid, Sg - S	in the second					Container Ty	0.0	/ F	1	1 1-1-1-1-1-1	, ag - amb	er glass, v	- VO/	A
**Samples requiring thermal preservation		ay they are sampled		-			han 6C on si	ubsequ	ient da	ys.		02.2		
Sample(s) dropped off after hour			Chain o	f Custod		126131	82							
Aenvir	otech	570615	Hinhway 64 Farmi	incton NM 2740		D6.100	51623.0615 1	10001 421	3 10/5		12.1		envinterh	



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Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: Samples Received: 7/22/2015 9:05:00AM Job Number: 96012-0115 Work Order: P507064 Project Name/Location: Smith Lake- MP 33

Date: 7/23/15

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	23-Jul-15 14:17

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS 34-1 N. Trench Wall	P507064-01A	Soil	07/21/15	07/22/15	Glass Jar, 4 oz.
	P507064-01B	Soil	07/21/15	07/22/15	Glass Jar, 4 oz.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	23-Jul-15 14:17

					24			
Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	H 1 1					Sec. 1	4 Barry	-
ND	0.10	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8021B	
ND	0.10	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8021B	
ND	0.10	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8021B	
ND	0.20	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8021B	
ND	0.10	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8021B	
ND	0.10	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8021B	
ND	0.10	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8021B	
	100 %	50-	150	1530022	07/22/15	07/23/15	EPA 8021B	1.1.2
1	i lan					1.1	1.4	1.1
ND	20.0	mg/kg	1	1530022	07/22/15	07/23/15	EPA 8015D	
ND	25.0	mg/kg	1	1530023	07/22/15	07/23/15	EPA 8015D	
	82.9 %	50-	-200	1530023	07/22/15	07/23/15	EPA 8015D	
	97.4 %	50-	150	1530022	07/22/15	07/23/15	EPA 8015D	
	ND ND ND ND ND ND ND	P5070 Reporting Result Limit ND 0.10 ND 20.0 ND 25.0 82.9 % 82.9 %	Reporting Units Result Limit Units ND 0.10 mg/kg ND 20.0 mg/kg ND 20.0 mg/kg ND 25.0 mg/kg	Result Limit Units Dilution ND 0.10 mg/kg 1 ND 20.0 mg/kg 1 ND 25.0 mg/kg 1 ND 25.0 mg/kg 1	P507064-01 (Solid) Reporting Result Limit Units Dilution Batch ND 0.10 mg/kg 1 1530022 ND 0.20 mg/kg 1 1530022 ND 0.10 mg/kg 1 1530022 ND 20.0 mg/kg 1 1530022 ND 20.0 mg/kg 1 1530023 ND 20.0 mg/kg 1 1530023 ND 25.0 mg/kg 1 1530023	P507064-01 (Solid) Reporting Result Limit Units Dilution Batch Prepared ND 0.10 mg/kg 1 1530022 07/22/15 ND 20.0 mg/kg 1 1530022 07/22/15 ND 20.0 <t< td=""><td>P507064-01 (Solid) Reporting Result Limit Units Dilution Batch Prepared Analyzed ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.20 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 20.0 mg/kg 1 1530</td><td>P507064-01 (Solid) Reporting Limit Units Dilution Batch Prepared Analyzed Method ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.20 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND</td></t<>	P507064-01 (Solid) Reporting Result Limit Units Dilution Batch Prepared Analyzed ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.20 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 ND 20.0 mg/kg 1 1530	P507064-01 (Solid) Reporting Limit Units Dilution Batch Prepared Analyzed Method ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.20 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND 0.10 mg/kg 1 1530022 07/22/15 07/23/15 EPA 8021B ND



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	415 10.51
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	23-Jul-15 14:17

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530022 - Purge and Trap EPA 5030A										
Blank (1530022-BLK1)				Prepared: 2	2-Jul-15 A	nalyzed: 2	3-Jul-15			
Benzene	ND	0.10	mg/kg						100	122
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10								
p,m-Xylene	ND	0.20								
o-Xylene	ND	0.10	**							
Total Xylenes	ND	0.10								
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	0.319		"	0.320		99.5	50-150			
LCS (1530022-BS1)				Prepared: 2	2-Jul-15 A	nalyzed: 23	3-Jul-15			
Benzene	16.0	0.10	mg/kg	20.0		80.1	75-125			
Toluene	17.5	0.10		20.0		87.3	70-125			
Ethylbenzene	18.8	0.10	"	20.0		94.1	75-125			
p,m-Xylene	37.8	0.20		40.0		94.4	80-125			
o-Xylene	18.7	0.10	"	20.0		93.7	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.321		"	0.320		100	50-150			
Matrix Spike (1530022-MS1)	Sou	rce: P507064-	01	Prepared: 2	2-Jul-15 A	nalyzed: 23				
Benzene	17.1	0.10	mg/kg	20.0	ND	85.5	75-125			
Toluene	18.7	0.10	*	20.0	ND	93.5	70-125			
Ethylbenzene	20.2	0.10		20.0	ND	101	75-125			
p,m-Xylene	40.4	0.20		40.0	ND	101	80-125			
o-Xylene	20.1	0.10	"	20.0	ND	100	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.321		n	0.320		100	50-150			
Matrix Spike Dup (1530022-MSD1)	Sou	rce: P507064-	-01	Prepared: 2	2-Jul-15 A	nalyzed: 23	3-Jul-15			
Benzene	16.5	0.10	mg/kg	20.0	ND	82.7	75-125	3.36	15	
Foluene	18.2	0.10	"	20.0	ND	90.9	70-125	2.87	15	
Ethylbenzene	19.6	0.10	"	20.0	ND	98.0	75-125	2.87	15	
o,m-Xylene	39.4	0.20	"	40.0	ND	98.4	80-125	2.57	15	
o-Xylene	19.6	0.10	"	20.0	ND	98.1	75-125	2.31	15	
Surrogate: 4-Bromochlorobenzene-PID	0.320		"	0.320		100	50-150			-

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W	estern Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	- 1273C 141
PC) Box 159	Project Number:	96012-0115	Reported:
Bl	oomfield NM, 87413	Project Manager:	Kelly Robinson	23-Jul-15 14:17

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

									and the second second	
Analyte	Result	Reporting Limit	Units	Spike	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
runnyw	Result	Linit	Omts	Lever	Reduit	/withe	Lilling	in D	Linin	110100
Batch 1530022 - Purge and Trap EPA 5030A	10.01		al.	11-1-1			-0124	161.14		
Blank (1530022-BLK1)			1.1	Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15			
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.310		"	0.320		96.9	50-150			
LCS (1530022-BS1)				Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15			
Gasoline Range Organics (C6-C10)	400	20.0	mg/kg	449		89.0	80-120	1.1.4		
Surrogate: 4-Bromochlorobenzene-FID	0.313		n	0.320		97.9	50-150			
Matrix Spike (1530022-MS1)	Sou	rce: P507064-	01	Prepared: 2	22-Jul-15 A	nalyzed: 23	3-Jul-15		and set	
Gasoline Range Organics (C6-C10)	425	20.0	mg/kg	449	ND	94.7	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
Matrix Spike Dup (1530022-MSD1)	Sou	rce: P507064-	01	Prepared: 2	22-Jul-15 A	nalyzed: 22	3-Jul-15		5.4	
Gasoline Range Organics (C6-C10)	415	20.0	mg/kg	449	ND	92.5	75-125	2.38	15	
Surrogate: 4-Bromochlorobenzene-FID	0.312	1.1	"	0.320		97.4	50-150			



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	23-Jul-15 14:17

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1530023 - DRO Extraction EPA 3550M	P.							1		
Blank (1530023-BLK1)				Prepared: 2	22-Jul-15 A	Analyzed: 2	3-Jul-15		a la se	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	46.9		"	40.0		117	50-200		111	
LCS (1530023-BS1)				Prepared: 2	22-Jul-15 A	Analyzed: 2	3-Jul-15			
Diesel Range Organics (C10-C28)	652	25.0	mg/kg	500		131	38-132			1.1
Surrogate: o-Terphenyl	55.7		"	40.0		139	50-200			
Matrix Spike (1530023-MS1)	Sou	rce: P507064-	01	Prepared: 2	22-Jul-15 A	analyzed: 23	3-Jul-15			
Diesel Range Organics (C10-C28)	401	25.0	mg/kg	499	ND	80.4	38-132			-
Surrogate: o-Terphenyl	32.4		н	39.9		81.1	50-200			
Matrix Spike Dup (1530023-MSD1)	Sou	rce: P507064-	01	Prepared: 2	22-Jul-15 A	analyzed: 23	3-Jul-15			
Diesel Range Organics (C10-C28)	452	25.0	mg/kg	500	ND	90.5	38-132	11.9	20	
Surrogate: o-Terphenyl	36.0		"	40.0		90.2	50-200			



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	23-Jul-15 14:17

Notes and Definitions

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

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CHAIN OF CUSTODY RECORD

Client: Western Refi	sina		oject Name / Location: Snith LAKe					*				A	NAL	YSIS	/ PAI	RAM	ETER	IS	12	ľ		
Email results to:	NI IOT	S	Ampler Name: MATT Kn	akou					TPH (Method 8015)	BTEX (Method 8021)	(Method 8260)	etals	ion		H/P	10-1	(-		ol	act
505-632-410	lele		96012-0115				letho	Met	Aeth	8 Me	/ An		vith	ole 9	18.1	SIDE			O Co	e Inta		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	of Co	Volume ntainers	HgCl ₂	eservati HCI	ve	TPH (N	BTEX (VOC (N	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
CS 34 - 1 N. Trench	7-21-15	10:10	P507064-01	2-40	og JAR	2			X	×	_										/	
																-					_	
					_																	
						-															-	
Relinguished by: (8ignature)			6.	Date	Time	Recei	ved b	v: (Si	gnati	(ert										Date	Т	ime
	on	_		7-22-13	9:05		De	ne.	2	22	i		_			_				7/22/1	19	1:05
Heinquisned by: (Signature)						Hece	ved b	y: (5)	gnau	ure)												
Sample Matrix Soil 💢 Solid 🗆 Sludge 🗌	Aqueous 🗌	Other []									7										
Sample(s) dropped off after	hours to sec	cure drop o	off area.	30	env Ang	irc	ot (ee	hitory	R	45	2) 13	Pa 5.4		#	-		13.4	181	_	_
5795 US Highway 64	4 • Farmingto	on, NM 874	01 • 505-632-0615 • 1	Three Spri	ngs • 65 I	Merca	do Stre	et, so	te 1	15, D	urang	00/0	0 813	801 •				virðle	Chrino	Page	8 8	of 8



Analytical Report

Report Summary

Client: Western Refining Southwest, Inc. Chain Of Custody Number: 14102 Samples Received: 7/23/2015 8:44:00AM Job Number: 96012-0115 Work Order: P507068 Project Name/Location: Smith Lake- MP 33

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

Date: 7/24/15

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	24-Jul-15 14:02

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
Spoil Pile Area	P507068-01A	Soil	07/22/15	07/23/15	Glass Jar, 4 oz.	

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Western Refining Southwest, Inc. PO Box 159 Bloomfield NM, 87413	Projec	et Name: et Number: et Manager:	9601	h Lake- MP 2-0115 7 Robinson	33			Reported: 24-Jul-15 14	
		-	l Pile Ar 68-01 (So						
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015							And A	4	
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530022	07/23/15	07/23/15	EPA 8015D	
Diesel Range Organics (C10-C28)	76.9	35.0	mg/kg	1	1530023	07/23/15	07/23/15	EPA 8015D	
Surrogate: o-Terphenyl		117 %	50	-200	1530023	07/23/15	07/23/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		96.4 %	50	-150	1530022	07/23/15	07/23/15	EPA 8015D	

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Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	24-Jul-15 14:02

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

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Analyte	Result	Reporting	Units	Spike	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Allalyte	Kesun	Linn	Omts	Level	Kesult	70REC	Linns	KrD	Limi	INDICS
Batch 1530022 - Purge and Trap EPA 5030A	1.1							1.1	1	12
Blank (1530022-BLK1)				Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15	100		150
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.310		п	0.320		96.9	50-150			
LCS (1530022-BS1)				Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15			
Gasoline Range Organics (C6-C10)	400	20.0	mg/kg	449		89.0	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.320		97.9	50-150			
Matrix Spike (1530022-MS1)	Sou	rce: P507064-	01	Prepared: 2	22-Jul-15 A	nalyzed: 23	3-Jul-15			
Gasoline Range Organics (C6-C10)	425	20.0	mg/kg	449	ND	94.7	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
Matrix Spike Dup (1530022-MSD1)	Sou	rce: P507064-	01	Prepared: 2	22-Jul-15 A	nalyzed: 23	3-Jul-15			
Gasoline Range Organics (C6-C10)	415	20.0	mg/kg	449	ND	92.5	75-125	2.38	15	
Surrogate: 4-Bromochlorobenzene-FID	0.312		"	0.320		97.4	50-150			



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	24-Jul-15 14:02

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

					and the second					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1530023 - DRO Extraction EPA 3	550M		_	and b	_			1		
Blank (1530023-BLK1)			-	Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15			
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	46.9		"	40.0		117	50-200		(c	
LCS (1530023-BS1)				Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15			
Diesel Range Organics (C10-C28)	652	25.0	mg/kg	500		131	38-132			
Surrogate: o-Terphenyl	55.7		"	40.0		139	50-200			
Matrix Spike (1530023-MS1)	Sour	ce: P507064-	01	Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15			
Diesel Range Organics (C10-C28)	401	25.0	mg/kg	499	ND	80.4	38-132			
Surrogate: o-Terphenyl	32.4		"	39.9		81.1	50-200			
Matrix Spike Dup (1530023-MSD1)	Sour	ce: P507064-	01	Prepared: 2	22-Jul-15 A	nalyzed: 2	3-Jul-15	1		
Diesel Range Organics (C10-C28)	452	25.0	mg/kg	500	ND	90.5	38-132	11.9	20	
Surrogate: o-Terphenyl	36.0		n	40.0		90.2	50-200			

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5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865 Ph (970) 259-0615 Fr (800) 362-1879 envirotech-inc.com ratorv@envirotech-inc.com

Page 5 of 7



Western Refining Southwest, Inc.	Project Name:	Smith Lake- MP 33	
PO Box 159	Project Number:	96012-0115	Reported:
Bloomfield NM, 87413	Project Manager:	Kelly Robinson	24-Jul-15 14:02

Notes and Definitions

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

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5796 US Highway 64, Farmington, NM 87401	Ph (505) 632-0615 Fx (505) 632-1865	envirotech-inc.com
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301	Ph (970) 259-0615 Fr (800) 362-1879	laboratory@envirotech-inc.com

Page 6 of 7

Western R.	efinin	19 4	ject Name / Locati SMith L	-alke -M	p.	33						A	NALY	SIS	/ PAP	RAM	ETER	IS			
Kelly, MeH, Bob Client Phone No.:		San Clie	npler Name: <u>MaH K</u> Int No.: 9601	rakow				10d 8015)	BTEX (Method 8021)	VOC (Method 8260)	fetals	nion		H/P	910-1	(1)	ш			ool	tact
505-633-4169 Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	F	reservati 2 HCI	ve	TPH (Method 8015)	BTEX (Me	VOC (Met	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Spoil Pile Area	7/22/15	7:00pm	P507068-01	1- 402 Jar				X												Y	r
				5																	
											-					1					
								-													
	37.44				-		-	-		-	-									_	
Relinquished by: (Şignature)	_			Date Time	Boos	eived b	V: (Sid	apat	ure)				-						Date	I TI	ime
Relinquished by: (Signature)	m	_		7/23/5 8:45	-	lived b	-	>		7		2	-				1.	-	7.23		844
	and a second			4							_		_	_			-				-

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

OIL CONS. DIV DIST. 3 State of New Mexico **Energy Minerals and Natural Resources**

OCT 1 9 2015

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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 Western Refining Pipeline, LLC. Contact Kelly Robinson Address 111 CR 4990 Bloomfield, NM Telephone No. 505-632-4166 Facility Name West Line Facility Type Crude Oil Transmission Line Mineral Owner API No.

Surface Owner Tribal

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	24	20N	15W					
F	and the second second			and the second second		and a second second		

17

Latitude 35.9438888 Longitude -108.3772222

NATURE OF RELEASE

Type of Release Hydro test water	Volume of Release 357 barrels	Volume Recovered 0 barrels
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Pipe failure under test pressure	10/02/2015 at approximately 11:00	10/02/2015 at approximately 11:00 am
	am	
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🗌 No 🗌 Not	NMOCD (Cory Smith)	
Required		
By Whom? Kelly Robinson	Date and Hour 10/02/2015 at 11:46 at	m
Was a Watercourse Reached?	If YES, Volume Impacting the Water	course.

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Western Refining was performing a hydro test on the West Line and a pipe failure occurred. Western shut down the hydro test and isolated the pipeline.

Describe Area Affected and Cleanup Action Taken.*

The hydro test water did not migrate outside the pipeline right of way. Western Refining collected soil samples from the source of the spill. The analytical results showed TPH at 20 ppm and BTEX as non-detect which is below the lowest recommended remediation action level according to the NMOCD remediation guidelines. The hydro test water did not contain biocide or corrosion inhibitor. Western concluded from the assessment of the release event that excavation of the soils was not necessary.

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.

and a second sec		1
Signature: Martin Man	OIL CONSERVATION	DIVISION
Printed Name: Matthew Krakow	Approved by Environmental Specialist:	Ring
Title: Environmental Coordinator	Approval Date: 12/18/15 Expiration	Date.
E-mail Address: matt.krakow@wnr.com	Conditions of Approval:	Attached
Date:10/16/2015 Phone:505-632-4169		
Attach Additional Sheets If Necessary #NCS	1535229678	(14)



October 07, 2015

Kelly Robinson Western Refining Southwest, Inc. #50 CR 4990 Bloomfield, NM 87413 TEL: (505) 632-4166 FAX (505) 632-3911 Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 1510197

Dear Kelly Robinson:

RE: Westline Hydrotest

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/6/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Western Refining Southwest, Inc. Project: Westline Hydrotest Lab ID: 1510197-002 Ma		(MEOH (SOIL)	Collection]	Date: 10	rdrotest Release#2 /2/2015 2:40:00 PM /6/2015 8:11:00 AM	
Analyses	Result	RL Qual			Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	10/6/2015 2:03:44 PM	21688
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	KJH
Diesel Range Organics (DRO)	20	9.8	mg/Kg	1	10/6/2015 2:05:08 PM	21680
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/6/2015 2:05:08 PM	21680
Surr: DNOP	105	57.9-140	%REC	1	10/6/2015 2:05:08 PM	21680
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	10/6/2015 12:38:23 PM	21666
Surr: BFB	92.5	75.4-113	%REC	1	10/6/2015 12:38:23 PM	21666
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.041	mg/Kg	1	10/6/2015 12:38:23 PM	21666
Toluene	ND	0.041	mg/Kg	1	10/6/2015 12:38:23 PM	21666
Ethylbenzene	ND	0.041	mg/Kg	1	10/6/2015 12:38:23 PM	21666
Xylenes, Total	ND	0.082	mg/Kg	1	10/6/2015 12:38:23 PM	21666
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	10/6/2015 12:38:23 PM	21666

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 1 of 8
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	1 age 1 01 0
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1510197 Date Reported: 10/7/2015

Hall Er	vironmental Analy	vsis Labora	tory, Inc.			Analytical Report Lab Order 1510197 Date Reported: 10/7/	
CLIENT: Project: Lab ID:	Western Refining Southwes Westline Hydrotest 1510197-003			Collection	Date: 10	/drotest Water #2 /2/2015 2:45:00 PM /6/2015 8:11:00 AM	
Analyses		Result	RL Qual	Units	DF	Date Analyzed	Batch
EPA MET Chloride	HOD 300.0: ANIONS	5.4	5.0	mg/L	10		yst: JRR AM R2933

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

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
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
 - Analyte detected below quantitation limits Page 2 of 8 J
 - Ρ Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1510197 07-Oct-15

Client: Project:		rn Refining South ne Hydrotest	west, Inc.							
	MB-21688 PBS	SampType: Batch ID:			tCode: El		300.0: Anion	S		
Prep Date:	10/6/2015	Analysis Date:	10/6/2015	5	SeqNo: 8	92718	Units: mg/K	g		
Analyte	121	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5				1.1		12	1808
Sample ID	LCS-21688	SampType:	LCS	Tes	tCode: El	PA Method	300.0: Anion	S		
Client ID:	LCSS	Batch ID:	21688	F	RunNo: 2	9358				
Prep Date:	10/6/2015	Analysis Date:	10/6/2015	S	SeqNo: 8	92719	Units: mg/K	g		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	94.3	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

Page 3 of 8

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510197 07-Oct-15

Client: Project:	Western Refining Southwest, Inc. Westline Hydrotest
Sample ID MB Client ID: PBW Prep Date: Analyte	SampType: MBLK TestCode: EPA Method 300.0: Anions Batch ID: R29331 RunNo: 29331 Analysis Date: 10/6/2015 SeqNo: 891919 Units: mg/L Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 0.50
Sample ID LCS Client ID: LCSW	SampType: LCS TestCode: EPA Method 300.0: Anions Batch ID: R29331 RunNo: 29331
Prep Date: Analyte	Analysis Date: 10/6/2015 SeqNo: 891920 Units: mg/L Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	4.9 0.50 5.000 0 98.4 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

Page 4 of 8

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1510197

07-Oct-15

	n Refining Southwest, Inc. ne Hydrotest	
Sample ID MB-21648	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21648	RunNo: 29273
Prep Date: 10/4/2015	Analysis Date: 10/4/2015	SeqNo: 889464 Units: %REC
Analyte		SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.7 10.00	97.2 57.9 140
Sample ID LCS-21648	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21648	RunNo: 29273
Prep Date: 10/4/2015	Analysis Date: 10/4/2015	SeqNo: 889466 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.0 5.000	100 57.9 140
Sample ID MB-21652	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21652	RunNo: 29273
Prep Date: 10/5/2015	Analysis Date: 10/5/2015	SeqNo: 890900 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	7.9 10.00	78.7 57.9 140
Sample ID LCS-21652	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21652	RunNo: 29273
Prep Date: 10/5/2015	Analysis Date: 10/5/2015	SeqNo: 890901 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.7 5.000	94.7 57.9 140
Sample ID MB-21629	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21629	RunNo: 29273
Prep Date: 10/2/2015	Analysis Date: 10/6/2015	SeqNo: 892312 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	10 10.00	103 57.9 140
Sample ID MB-21680	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21680	RunNo: 29273
Prep Date: 10/6/2015	Analysis Date: 10/6/2015	SeqNo: 892313 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Notor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	9.6 10.00	96.2 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1510197 07-Oct-15

Client: Project:		m Refining S ne Hydrotest		st, Inc.							
Sample ID L			ype: LC					8015M/D: DI	esel Rang	e Organics	-219
Client ID: LO	CSS	Batch	1D: 21	629	F	RunNo: 2	9273				
Prep Date: *	10/2/2015	Analysis D	ate: 1	0/6/2015	5	SeqNo: 8	92314	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.3		5.000	in the	107	57.9	140	1. Sugar		
Sample ID L	CS-21680	SampT	vpe: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	1.1

Prep Date: 10/6/2015	Analysis D	Date: 10			SegNo: 8		Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.1	57.4	139	1.1	120 10	
Surr: DNOP	4.8		5.000		95.5	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

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WO#: 1510197

07-Oct-15

	n Refining Southwest, Inc. ne Hydrotest			
Sample ID MB-21666	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	-
Client ID: PBS	Batch ID: 21666	RunNo: 29332		
Prep Date: 10/5/2015	Analysis Date: 10/6/2015	SeqNo: 892323	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 870 1000	86.6 75.4	113	
Sample ID LCS-21666	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	1.5
Client ID: LCSS	Batch ID: 21666	RunNo: 29332		
Prep Date: 10/5/2015	Analysis Date: 10/6/2015	SeqNo: 892324	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	26 5.0 25.00 940 1000	0 103 79.6 94.1 75.4	122 113	
Sample ID MB-21665	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 21665	RunNo: 29332		
Prep Date: 10/5/2015	Analysis Date: 10/6/2015	SeqNo: 892336	Units: %REC	
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Surr: BFB	880 1000	88.5 75.4	113	
Sample ID LCS-21665	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 21665	RunNo: 29332		
Prep Date: 10/5/2015	Analysis Date: 10/6/2015	SeqNo: 892337	Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Surr: BFB	950 1000	95.5 75.4	113	

Qualifiers:

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

Page 7 of 8

- - **Reporting Detection Limit** RL

Е

Hall Environmental Analysis Laboratory, Inc.

Client: Western Refining Southwest, Inc. **Project:**

Westline Hydrotest

Sample ID MB-21666	Samp	Туре: МЕ	BLK	Tes	stCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 21	666	F	RunNo: 2	9332				
Prep Date: 10/5/2015	Analysis I	Date: 10	0/6/2015	5	SeqNo: 8	92366	Units: mg/H	٨g		
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								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			
Sample ID LCS-21666	Samp	Гуре: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		1.12
Client ID: LCSS	Batc	h ID: 21	666	F	RunNo: 2	9332				
Prep Date: 10/5/2015	Analysis [Date: 10	/6/2015	5	SeqNo: 8	92368	Units: mg/h	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	96.7	80	120			
oluene	0.94	0.050	1.000	0	94.3	80	120			
thylbenzene	0.97	0.050	1.000	0	96.8	80	120			
vlenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			
Sample ID MB-21665	Samp	уре: МВ	LK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	n ID: 216	65	F	RunNo: 2	9332				
Prep Date: 10/5/2015	Analysis E	Date: 10	/6/2015	5	SeqNo: 8	92380	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120	Sec. 3	- California	C
Sample ID LCS-21665	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	1D: 216	65	F	RunNo: 2	9332				
Prep Date: 10/5/2015	Analysis D	ate: 10	/6/2015	S	SeqNo: 8	92381	Units: %RE	С		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit

Page 8 of 8

WO#: 1510197 07-Oct-15

LABORATORT	-1901 Hawkin Albuquerquo, NM 8 -3975 FAX: 505-345- rn.hallenvtronmenta	1107 Sam	ple Log-In Check List
Client Name: Western Refining Southw Work Order Nui	mber: 1510197		ReptNo: 1
Received by/date: 10/06/1/5			
Logged By: Lindsay Mangin 10/6/2015 8:11:00	444	Anderthan	
Completed By: Lindsay Mangin 10/6/2015 8:48:30		dutto	
		03.00	
C3 10/01/3			
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			and the second second
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 M	NA 🗌
10. VOA vials have zero hesdspace?	Yes 🗹	No 🗆	No VOA Vials
11. Were any sample containers received bruken?	Yes 🗆	No 🗹	# of preserved
12, Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🔽	No 🗆	for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?
14, Is it clear what analyses were requested?	Yes 🗹	No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	NO T	Checked by

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?	Yes 🗌 No 🗌 NA 🗹
Person Notified: By Whom:	Date J Via:eMailPhoneFax In Person
Regarding: Client Instructions: 17. Additional remarks:	
18. Cooler Information	eal No Seat Date Signed By
1 2.4 Good Yes	And the second

Page | of |

Client Mailing Bi Phone	Wes- Address countin	ern 111 eld, 1 5-63	CR 4990 NM 87413	Project #:	XRush a: we Hydr	<u>SomeDay</u> otest				A awki		4L' 	YS envir Albu	iona ique ax 6	nent rque	AE al.co e, NM 345-	30 m w 87 4107	RA		
email o QA/QC X Star Accred	r Fax#; / Package: idard itation	Natl.K	D Level 4 (Full Validation)	Kelly Sampler: //	iger: Robins Iatt Kra Ziyes perature: 2	Kow E No	MTDE + TMD's (8021)	MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	FPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 ur 8270 SIMS)	Aetals	NO2	licides / 8082 PCB's	(AC	ni-VOA)	ides		NA N N
Date 0-)-/5			Sample Request ID Hydrotest Background#2	Type and #		HEAL NO: 1510197 -001	× BTEX +	BTEX + N	X TPH 8015	TPH (Mell	EDB (Met	PAH's (83	RCRA 8 Metals	Anions (F,	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	XChloride		Air Buhaloo /V or All
0-2-15 0-2-15		a second s	Hydrotest Release # 2 Hydrotest Weter #2	1-802 Jur SOOLAL AUGO		-007. -003	<u>入</u> 後	10	X									XX		
Date:)-5-15 Date: 10/5/15	Time: 4:00 - Time: 19:00	Relinquist Mil Rel nguist	thulma	Received by: CMUst Received by	Warts X 10	Date Time 10/5/15 180 Date Time 101/15 081		narks	П		BI							iam	ple	

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I mississary, samples substitied to Hall Environments may be subcontropied to other sector of this serves as notice of this possibility. Any sub-contracted data will be easily polated on the possibility of this possibility.

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

Printed Name: N

Date:10/16/2015

Title: Environmental Coordinator

E-mail Address: matt.krakow@wnr.com

* Attach Additional Sheets If Necessary

Phone:505-632-4169

State of New Mexico **Energy Minerals and Natural Resources**

OIL CONS. DIV DIST. 3

OCT 1 9 2015

Form C-141 Revised August 8, 2011

Final Report

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action

					(DPERA	TOR		🛛 Initi	al Report	🛛 Final Rep			
Name of C	ompany W	estern Refin	ing Pipel	ine, LLC.	C	ontact Ke	lly Robinson							
Address 11	1 CR 4990) Bloomfield	, NM		Te	elephone 1	No. 505-632-41	66						
Facility Na	me West I	Line			Fa	Facility Type Crude Oil Transmission Line								
Surface Ov	urface Owner Tribal Mineral Own								API No).				
	LOCAT						ION OF RELEASE							
Unit Letter	Section 7	Township 21N	Range 14W	Feet from the		outh Line	Feet from the	East/W	Vest Line	County				
TUS					.06750_1	19-2. J.	108.36330 EASE		- 51					
Type of Rela		test water				The second s	elease 357 barrel	S		Recovered 0 ba				
Source of Re Pipe failure		ressure				/04/2015 a	ur of Occurrence t approximately 9	:20		Hour of Discov 15 at approxima				
Was Immedi Required	s Immediate Notice Given?					If YES, To Whom? NMOCD (Cory Smith)								
By Whom?	Kelly Robin	nson			Da	ate and Hou	ur 10/05/2015 at 8	3:34 am						
Was a Water	rcourse Rea		Yes 🗵	No	If	YES, Volu	me Impacting the	Waterco	ourse.					
Describe Ca	use of Probl	em and Reme erforming a hy	dial Actio	n Taken.*	and a pipe f	failure occu	irred. Western sl	hut down	the hydro	test and isolate	ed the pipeline.			
Western Ref lowest recon	ining collec nmended rea	mediation acti	es from th on level a	e source of the sp ccording to the N	MOCD ren	nediation g	sults showed TPH uidelines. The hy of the soils was n	dro test v	water did r					
regulations a public health should their or the enviro	Il operators or the envi operations honment. In a	are required t ronment. The nave failed to a	o report an acceptant adequately OCD accep	nd/or file certain r ce of a C-141 repo v investigate and r	release noti ort by the N remediate c	fications a MOCD m ontaminati	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of	etive action eport" do eat to gro	ons for reli- bes not reli- bund water	eases which ma eve the operato , surface water,	y endanger r of liability , human health			
Signature:	Mad	Alu /	Ju	_					1	BIVISION				
Printed Nam	e: Matthew	Krakow			Ap	proved by	Environmental S	pecialist:	C	AN	W			

Approval Date: 12/18

Conditions of Approval:

#NCS 15 352 302 59

Expiration Date

Attached



October 12, 2015

Kelly Robinson Western Refining Southwest, Inc. #50 CR 4990 Bloomfield, NM 87413 TEL: (505) 632-4166 FAX (505) 632-3911

RE: West Line

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

OrderNo.: 1510448

Dear Kelly Robinson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/8/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1510448 Date Reported: 10/12/2015

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: Hydro Test #5 Collection Date: 10/4/2015 2:55:00 PM

CLIENT: Western Refining Southwest, Inc. Project: West Line

1510448-001

Lab ID:

Collection Date: 10/4/2015 2:55:00 PM Received Date: 10/8/2015 3:00:00 PM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				1.1	Analyst:	LGT
Chloride	ND	30	mg/Kg	20	10/9/2015 11:06:50 AM	21767
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	5			Analyst:	KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	10/9/2015 9:26:26 AM	21758
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/9/2015 9:26:26 AM	21758
Surr: DNOP	98.9	57.9-140	%REC	1	10/9/2015 9:26:26 AM	21758
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/9/2015 11:30:58 AM	21739
Surr: BFB	88.6	75.4-113	%REC	1	10/9/2015 11:30:58 AM	21739
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.050	mg/Kg	1	10/9/2015 11:30:58 AM	21739
Toluene	ND	0.050	mg/Kg	1	10/9/2015 11:30:58 AM	21739
Ethylbenzene	ND	0.050	mg/Kg	1	10/9/2015 11:30:58 AM	21739
Xylenes, Total	ND	0.10	mg/Kg	1	10/9/2015 11:30:58 AM	21739
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	10/9/2015 11:30:58 AM	21739

Matrix: SOIL

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 1 of 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	rage 1010
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510448 12-Oct-15

Client: Project:	Weste West I	rn Refining Southwest, Inc. Line		
Sample ID Client ID:	MB-21767 PBS	SampType: MBLK Batch ID: 21767	TestCode: EPA Method 300.0: Anions RunNo: 29458	
Prep Date:	10/9/2015	Analysis Date: 10/9/2015	SeqNo: 895859 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	Jal
Chloride		ND 1.5		
Sample ID	LCS-21767	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 21767	RunNo: 29458	
Prep Date:	10/9/2015	Analysis Date: 10/9/2015	SeqNo: 895860 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	Jal
Chloride		14 1.5 15.00	0 93.0 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

Page 2 of 6

WO#: 1510448

12-Oct-15

Client: Western Project: West Li	n Refining Southwest, Inc. ne	
Sample ID MB-21652	SampType: MBLK TestCode	EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21652 RunNo	: 29273
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo	: 890900 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %RE	EC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	7.9 10.00 78	8.7 57.9 140
Sample ID LCS-21652	SampType: LCS TestCode	EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21652 RunNo	: 29273
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo	: 890901 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %RE	EC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.7 5.000 94	1.7 57.9 140
Sample ID MB-21679	SampType: MBLK TestCode	EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21679 RunNo	: 29273
Prep Date: 10/6/2015	Analysis Date: 10/8/2015 SeqNo	: 894236 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %RE	EC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP		05 57.9 140
Sample ID LCS-21679	SampType: LCS TestCode	EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21679 RunNo	: 29273
Prep Date: 10/6/2015	Analysis Date: 10/8/2015 SeqNo	: 894238 Units: %REC
Analyte	Result PQL SPK value SPK Ref Val %RE	C LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNQP		12 57.9 140
Sample ID MB-21758	SampType: MBLK TestCode	EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 21758 RunNo	: 29273
Prep Date: 10/9/2015	Analysis Date: 10/9/2015 SeqNo	: 894850 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %RE	C LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Notor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	10 10.00 10	01 57.9 140
Sample ID LCS-21758	SampType: LCS TestCode:	EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 21758 RunNo:	29273
Prep Date: 10/9/2015	Analysis Date: 10/9/2015 SeqNo.	: 894851 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %RE	C LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	43 10 50.00 0 86	
Surr: DNOP	4.8 5.000 96	.5 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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510448

12-Oct-15

Client:	Western Refining Southwest, Inc.

	Type: MS	SD	T					and the second sec	
Client ID: Hydro Test #5 Bate			les	tCode: El	A Method	8015M/D: Di	esel Rang	e Organics	- S - S - S
	h ID: 21	758	F	RunNo: 2	9273				
Prep Date: 10/9/2015 Analysis	Date: 10	0/9/2015	S	SeqNo: 8	94987	Units: mg/K	(g		
Analyte Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) 44	9.9	49.46	0	88.2	42.3	146	6.85	28.9	
Surr: DNOP 4.8		4.946		97.7	57.9	140	0	0	
Sample ID 1510448-001AMS Samp	Type: MS	3	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: Hydro Test #5 Bate	h ID: 21	758	F	RunNo: 2	9273				
Prep Date: 10/9/2015 Analysis	Date: 10	/9/2015		SeqNo: 8	94989	Units: mg/K	g	94.91	
Analyte Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) 41	9.7	48.45	0	84.1	42.3	146			
Surr: DNOP 4.6		4.845		95.2	57.9	140			

Qualifiers:

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

Page 4 of 6

WO#: 1510448 12-Oct-15

Client: Western Refining Southwest, Inc. **Project:** West Line Sample ID MB-21739 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 21739 RunNo: 29422 Prep Date: 10/8/2015 Analysis Date: 10/9/2015 SeqNo: 895535 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD RPDLimit LowLimit Qual Gasoline Range Organics (GRO) 5.0 ND Surr: BFB 860 1000 85.9 75.4 113 Sample ID LCS-21739 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range RunNo: 29422 Client ID: LCSS Batch ID: 21739 Prep Date: 10/8/2015 Analysis Date: 10/9/2015 SeqNo: 895536 Units: mg/Kg %REC Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 24 5.0 25.00 0 79.6 122 97.8 Surr: BFB 940 1000 94.1 75.4 113

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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510448

12-Oct-15

Client: Project:	Western I West Line		Southwe	st, Inc.							
Sample ID	MB-21739	TestCode: EPA Method 8021B: Volatiles									
Client ID:	PBS	Bato	h ID: 21	739	F	RunNo: 2	9422				
Prep Date:	10/8/2015	Analysis I	Date: 1	0/9/2015		SeqNo: 8	95553	Units: mg/l	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050					· ···g···			-
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Kylenes, Total		ND	0.10								
and the second second	ofluorobenzene	1.0		1.000		103	80	120			
Sample ID	LCS-21739	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
						RunNo: 2					
Prep Date:	10/8/2015	Analysis [SeqNo: 8		Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1.1	0.93	0.050	1.000	0	92.6	80	120			
Foluene		0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene		0.93	0.050	1.000	0	93.1	80	120			
Kylenes, Total		2.8	0.10	3.000	0	94.3	80	120			
Surr: 4-Brom	ofluorobenzene	1.1		1.000		108	80	120		100	
Sample ID	1510448-001AMS	Samp	Type: MS	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	Hydro Test #5	Batc	h ID: 21	739	RunNo: 29422						
Prep Date:	10/8/2015	Analysis [Date: 10	0/9/2015	S	SeqNo: 8	95555	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.050	0.9930	0	103	69.6	136		- S-047	
Toluene		1.0	0.050	0.9930	0	105	76.2	134			
Ethylbenzene		1.1	0.050	0.9930	0	108	75.8	137			
Kylenes, Total		3.2	0.099	2.979	0	108	78.9	133			
	ofluorobenzene	1.1		0.9930		111	80	120			
Sample ID	1510448-001AMSD) Samp	Type: MS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		Sec.
Client ID:	Hydro Test #5	Batc	h ID: 21	739	F	RunNo: 2	9422				
Prep Date:		Analysis D				SegNo: 8		Units: mg/k	a		
										0001	0
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
lenzene		1.0	0.050	0.9901	0	103	69.6 76.2	136	0.873	20	
oluene		1.0	0.050	0.9901	0	101	76.2	134	3.33	20	
		1.0 3.0	0.050	0.9901 2.970	0	103 102	75.8 78.9	137 133	5.16 5.69	20 20	
thylbenzene (ylenes, Total											

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

Page 6 of 6

Zient Name: Western Refining Southw Work Order Number: 1510448 eceived by/date: A T 10 0 0 1 K ogged By: Lindsay Mangin 10/8/2015 3:00:00 PM ompleted By: Lindsay Mangin 10/8/2015 3:25:29 PM eviewed By: C S 10 0 0 1 5 hain of Custody Yes I (1) Lockody seals intact on sample bottles? Yes 2. Is Chain of Custody complete? Yes I 2. Is Chain of Custody complete? Yes I 4. Was an attempt made to cool the samples? Yes I 5. Were all samples received at a temperature of >0° C to 6.0°C Yes I 6. Were all samples (except VOA and ONG) properly preserved? Yes I 7. Sufficient sample volume for indicated test(s)? Yes I 8. Are samples (except VOA and ONG) properly preserved? Yes I 9. Was preservative added to bottles? Yes I 10. VOA vials have zero headspace? Yes I 10. Were any sample containers received broken? Yes I 2. Does paperwork match bottle labels? Yes I I	aboratory mektns NE NM 87109 Sample Log-In Check List 345-4107 ental.com
orgged By: Lindsay Mangin 10/8/2015 3:00:00 PM ompleted By: Lindsay Mangin 10/8/2015 3:25:29 PM eviewed By: (S) 10/98/15 hain of Custody 10/98/2015 3:25:29 PM f, Custody seals intact on sample bottles? Yes g, Custody seals intact on sample bottles? Yes 2. Is Chain of Custody complete? Yes b. How was the sample delivered? Client og In . 4. Was an attempt made to cool the samples? Yes 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 6. Were all sample volume for indicated test(s)? Yes 7. Sufficient sample volume for indicated test(s)? Yes 8. Are samples (except VOA and ONG) properly preserved? Yes 9. Was preservative added to bottles? Yes 10. VOA vials have zero headspace? Yes 11. Were any sample containers received broken? Yes 2. Does paperwork match bottle labels? Yes 12. Does paperwork match bottle labels? Yes 13. Are matrices correctly identified on Chain of Custody? Yes 14. Is it clear what analyses were requested? Yes <	ReptNo: 1
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7. Additional remarks:	
8. Cooler Information	
Cooler No Temp °C Condition Seal Intact Seal No Seal Date 1 3.0 Good Not Present Seal No Seal Date	Signed By

Chain-of-Custody Record	Turn-Around Time:	
Ilient: WESTERN REANING	Standard Krush ASAP	ANALYSIS LABORATORY
	Project Name:	
Tailing Address: III CR 4990	WESTLINE	www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109
Bloomfield NM 87413	Project #:	Tel. 505-345-3975 Fax 505-345-4107
hone #: 555 632-4166		Analysis Request
mail or Fax#: Kelly, Robinson CWNR. cory	Project Manager:	
IA/QC Package: Standard Level 4 (Full Validation)	Kelly Robinson	TPH (Gas only) TPH (Gas only) D / DRO / MRO) 8.1) 4.1) 270 SIMS) 270 SIMS) 270 SIMS) 8.270 SIMS) (8082 PCB's (8082 PCB's (8082 PCB's
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Vate: Time: Relinquished by	Received by: Date Time	Remarks:
Jate: Time: Relinquished by:	Received by: Date Time	2 HOLD BACKGROUND SAMPLE

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

District I 1625 N. French Dr., Hobbs, NM 88240 District II N. Frist St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

*

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr.

OIL CONS. DIV DIST. 3

Form C-141 Revised August 8, 2011

8

OCT 1 9 2015 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Name of Company Western Refining Pipeline, LLC. Contact Kelly Robinson Address 111 CR 4990 Bloomfield, NM 87413 Telephone No. 505-632-4166 Facility Name West Line Mineral Owner Surface Owner Tribal Mineral Owner LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the Ea	🛛 Initi	al Report 🛛 Final Re
Name of Company Western Refining Pipeline, LLC. Contact Kelly Robinson Address 111 CR 4990 Bloomfield, NM 87413 Telephone No. 505-632-4166 Facility Name West Line Facility Type Crude Oil Transm Surface Owner Tribal Mineral Owner LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the Local Line	nission Line	al Report 🛛 Final Re
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Unit Letter Section Township Range Feet from the North/South Line Feet from the Ea		
	ast/West Line	County
Latitude 35.96916666 Longitude -108.3758333		
NATURE OF RELEASE Type of Release Hydro test water Volume of Release 595 barrels	Valuesa	Recovered 0 barrels
Source of Release Date and Hour of Occurrence		Hour of Discovery
Pipe failure under test pressure 10/01/2015 at 11:30 am		15 at11:30 am
Was Immediate Notice Given? If YES, To Whom?		
Yes No Not Required NMOCD (Cory Smith)		
By Whom? Kelly Robinson Date and Hour 10/02/2015 at 11 Was a Watercourse Reached? If YES, Volume Impacting the V		
Was a Watercourse Reached? If YES, Volume Impacting the V	watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.* Western Refining was performing a hydro test on the west line and a pipe failure occurred. Western shut do	own the hydro	test and isolated the pipeline.
Describe Area Affected and Cleanup Action Taken.* The hydro test water did not migrate outside the pipeline right of way. Western Refining collected soil samp results showed TPH and BTEX as non-detect and thus below the lowest recommended remediation action le guidelines. The hydro test water did not contain any biocide or corrosion inhibitor. Western concluded from remediation of the site was not necessary.	vels according	ource of the spill. The analytic to the NMOCD remediation
The hydro test water did not migrate outside the pipeline right of way. Western Refining collected soil samples showed TPH and BTEX as non-detect and thus below the lowest recommended remediation action le guidelines. The hydro test water did not contain any biocide or corrosion inhibitor. Western concluded from emediation of the site was not necessary. hereby certify that the information given above is true and complete to the best of my knowledge and under egulations all operators are required to report and/or file certain release notifications and perform corrective bublic health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report hould their operations have failed to adequately investigate and remediate contamination that pose a threat to remove the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responses.	rstand that purs actions for rel rt" does not rel to ground water	ource of the spill. The analytic to the NMOCD remediation t of the release event that suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health
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October 07, 2015

Kelly Robinson Western Refining Southwest, Inc. #50 CR 4990 Bloomfield, NM 87413 TEL: (505) 632-4166 FAX (505) 632-3911

RE: Westline Hydrotest

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

OrderNo.: 1510097

Dear Kelly Robinson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/3/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

Andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109



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

Case Narrative

WO#: 1510097 Date: 10/7/2015

CLIENT:	Western Refining Southwest, Inc.	
Project:	Westline Hydrotest	

Analytical Notes Regarding the water samples for BTEX/GRO/DRO/MRO: The sample named "Hydrowater" was not received in the proper containers for BTEX/GRO/DRO/MRO.

Analytical Report

Lab Order 1510097

Date Reported: 10/7/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Western Refining Southwest, Inc.
 Client Sample ID: Hydrowater Soil

 Project:
 Westline Hydrotest
 Collection Date: 10/1/2015 4:10:00 PM

 Lab ID:
 1510097-001
 Matrix:
 MEOH (SOIL)
 Received Date: 10/3/2015 9:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	ND	30	mg/Kg	20	10/5/2015 11:17:50 AM	21662
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANIC	s			Analyst:	KJH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	10/5/2015 1:40:29 AM	21649
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/5/2015 1:40:29 AM	21649
Surr: DNOP	101	57.9-140	%REC	1	10/5/2015 1:40:29 AM	21649
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	10/5/2015 2:37:28 PM	21639
Surr: BFB	88.5	75.4-113	%REC	1	10/5/2015 2:37:28 PM	21639
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.035	mg/Kg	1	10/5/2015 2:37:28 PM	21639
Toluene	ND	0.035	mg/Kg	1	10/5/2015 2:37:28 PM	21639
Ethylbenzene	ND	0.035	mg/Kg	1	10/5/2015 2:37:28 PM	21639
Xylenes, Total	ND	0.071	mg/Kg	1	10/5/2015 2:37:28 PM	21639
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	10/5/2015 2:37:28 PM	21639

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

Reit	1 10 11	e QC Summary report and sample login checking	st ioi nage	ged QC data and preservation information.
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 12
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

% Recovery outside of range due to dilution or matrix

S

Analytical Report

Lab Order 1510097

Date Reported: 10/7/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Western Refining Southwest, Inc.
 Client Sample ID: Hydrowater

 Project:
 Westline Hydrotest
 Collection Date: 10/1/2015 4:30:00 PM

 Lab ID:
 1510097-002
 Matrix: AQUEOUS
 Received Date: 10/3/2015 9:25:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	3.7	2.5	mg/L	5	10/5/2015 11:44:07 AM	R29301
EPA METHOD 8015M/D: DIESEL RANGE					Analyst:	KJH
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	10/5/2015 9:57:06 AM	21651
Motor Oil Range Organics (MRO)	ND	5.0	mg/L	1	10/5/2015 9:57:06 AM	21651
Surr: DNOP	117	72-136	%REC	1	10/5/2015 9:57:06 AM	21651
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	0.89	0.050	mg/L	1	10/5/2015 11:54:47 AM	A29302
Surr: BFB	113	57.8-137	%REC	1	10/5/2015 11:54:47 AM	A29302
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	18	1.0	µg/L	1	10/5/2015 11:54:47 AM	R29302
Toluene	34	1.0	µg/L	1	10/5/2015 11:54:47 AM	R29302
Ethylbenzene	5.2	1.0	µg/L	1	10/5/2015 11:54:47 AM	R29302
Xylenes, Total	32	2.0	µg/L	1	10/5/2015 11:54:47 AM	R29302
Surr: 4-Bromofluorobenzene	119	65-127	%REC	1	10/5/2015 11:54:47 AM	R29302

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	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 Page 3 of 12
	ND	Not Detected at the Reporting Limit	Р	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		

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510097

07-Oct-15

Client: Project:		n Refining Southwest, Inc. ne Hydrotest			2	
Client ID: Prep Date: Analyte	MB-21662 PBS 10/5/2015		TestCode: EPA Method RunNo: 29327 SeqNo: 891486 SPK Ref Val %REC LowLimit	300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit	Qual
Chloride		ND 1.5				-
	LCS-21662 LCSS 10/5/2015	SampType: LCS Batch ID: 21662 Analysis Date: 10/5/2015	TestCode: EPA Method RunNo: 29327 SeqNo: 891487	300.0: Anions Units: mg/Kg		
Analyte Chloride		Result PQL SPK value 14 1.5 15.00	SPK Ref Val %REC LowLimit 0 93.3 90	HighLimit %RPD 110	RPDLimit	Qual

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1510097 07-Oct-15

Client: Project:		Western Refining Southwe Westline Hydrotest	est, Inc.							
Sample ID	MB	SampType: M	IBLK	Tes	tCode: El	PA Method	300.0: Anions			
Client ID:	PBW	Batch ID: R	29301	F	RunNo: 2	9301				
Prep Date:		Analysis Date: 1	0/5/2015	S	SeqNo: 8	90635	Units: mg/L			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 0.50)							
Sample ID	LCS	SampType: L	cs	Tes	tCode: El	PA Method	300.0: Anions			
Client ID:	LCSW	Batch ID: R	29301	F	RunNo: 2	9301				
Prep Date:		Analysis Date: 1	0/5/2015	S	SeqNo: 8	90636	Units: mg/L			
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	1.1	5.0 0.50	5.000	0	99.2	90	110	- tot		

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1510097

07-Oct-15

	n Refining Southwest, Inc. e Hydrotest	
Sample ID MB-21648	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 21648 RunNo: 29273	
Prep Date: 10/4/2015	Analysis Date: 10/4/2015 SeqNo: 889464 Units: %REC	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	9.7 10.00 97.2 57.9 140	
Sample ID MB-21649	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 21649 RunNo: 29273	
Prep Date: 10/4/2015	Analysis Date: 10/4/2015 SeqNo: 889465 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	9.7 10.00 97.2 57.9 140	
Sample ID LCS-21648	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 21648 RunNo: 29273	
Prep Date: 10/4/2015	Analysis Date: 10/4/2015 SeqNo: 889466 Units: %REC	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	5.0 5.000 100 57.9 140	0.15
Sample ID LCS-21649	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics	-
Client ID: LCSS	Batch ID: 21649 RunNo: 29273	
Prep Date: 10/4/2015	Analysis Date: 10/4/2015 SeqNo: 889467 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	46 10 50.00 0 91.5 57.4 139	
Surr: DNOP	5.0 5.000 99.4 57.9 140	
Sample ID MB-21652	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 21652 RunNo: 29273	
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo: 890900 Units: %REC	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	7.9 10.00 78.7 57.9 140	1
Sample ID LCS-21652	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 21652 RunNo: 29273	
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo: 890901 Units: %REC	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	4.7 5.000 94.7 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

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WO#: 1510097 07-Oct-15

	tern Refining Southwest, Inc. tline Hydrotest
Sample ID MB-21629 Client ID: PBS Prep Date: 10/2/2015	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 21629 RunNo: 29273 Analysis Date: 10/6/2015 SeqNo: 892312 Units: %REC
Analyte Surr: DNOP	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 10 10.00 103 57.9 140
Sample ID MB-21680 Client ID: PBS Prep Date: 10/6/2015	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 21680 RunNo: 29273 Analysis Date: 10/6/2015 SeqNo: 892313 Units: %REC
Analyte Surr: DNOP	ResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQual9.610.0096.257.9140
Sample ID LCS-21629 Client ID: LCSS Prep Date: 10/2/2015 Analyte	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 21629 RunNo: 29273 Analysis Date: 10/6/2015 SeqNo: 892314 Units: %REC Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP Sample ID LCS-21680 Client ID: LCSS	5.3 5.000 107 57.9 140 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 21680 RunNo: 29273
Prep Date: 10/6/2015 Analyte	Batch ID. 21000 Ruli NO. 29273 Analysis Date: 10/6/2015 SeqNo: 892315 Units: %REC Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 4.8 5.000 95.5 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

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Hall	Environmental	Analysis	Laboratory.	Inc.
	MARKET AR O REALE OAR FFFF	a manora j waw		

WO#: 1510097

07-Oct-15

Client: Project:	Western I Westline			st, Inc.							
Sample ID	WB-21651	Samp	Туре: МЕ	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e	Partie S
Client ID:	PBW	Bato	h ID: 21	651	I	RunNo: 2	9273				
Prep Date:	10/5/2015	Analysis I	Date: 10	0/5/2015	:	SeqNo: 8	90895	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	ganics (DRO)	ND	1.0				1.			1.1	10
Motor Oil Range	Organics (MRO)	ND	5.0								
Surr: DNOP		1.1		1.000		110	72	136			
Sample ID	_CS-21651	Samp	Type: LC	S	Tes	tCode: E	PA Method	8015M/D: Die	sel Rang	e	1000
Client ID:	LCSW	Batc	h ID: 21	651	F	RunNo: 2	9273				
Prep Date:	10/5/2015	Analysis [Date: 10	0/5/2015	in the second	SeqNo: 8	90896	Units: mg/L			
Analyte	1.1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	ganics (DRO)	5.3	1.0	5.000	0	105	52.4	154			
Surr: DNOP		0.57		0.5000	1. 1. 1. 1.	114	72	136		11.11	10.1
Sample ID	510097-002BMS	Samp	Type: MS	5	Tes	tCode: E	PA Method	8015M/D: Die	sel Rang	e	
Client ID: I	lydrowater	Batc	h ID: 21	651	F	RunNo: 2	9273				
Prep Date:	10/5/2015	Analysis [Date: 10	/5/2015	5	SeqNo: 8	90897	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	5.2	1.0	5.000	0	105	41.3	177			-
Surr: DNOP		0.55		0.5000		111	72	136			
Sample ID	510097-002BMSD	Samp	Type: MS	D	Tes	tCode: E	PA Method	8015M/D: Die	sel Rang	0	
Client ID: I	lydrowater	Batc	h ID: 216	651	F	RunNo: 2	9273				
Prep Date:	10/5/2015	Analysis [Date: 10	/5/2015	ę	SeqNo: 8	90898	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	ganics (DRO)	5.5	1.0	5.000	0	111	-94.6	317	5.74	22.1	10.0

Qualifiers:

Surr: DNOP

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded

0.55

0.5000

- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range

110

72

136

0

0

- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

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WO#: 1510097

07-Oct-15

	n Refining Southwest, Inc. e Hydrotest	
Sample ID MB-21639 Client ID: PBS Prep Date: 10/2/2015	SampType: MBLK Batch ID: 21639 Analysis Date: 10/5/2015	TestCode: EPA Method 8015D: Gasoline Range RunNo: 29302 SeqNo: 890915 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 860 1000	86.4 75.4 113
Sample ID LCS-21639 Client ID: LCSS Prep Date: 10/2/2015	SampType: LCS Batch ID: 21639 Analysis Date: 10/5/2015	TestCode: EPA Method 8015D: Gasoline Range RunNo: 29302 SeqNo: 890916 Units: mg/Kg
Analyte		
Gasoline Range Organics (GRO) Surr: BFB	24 5.0 25.00 930 1000	0 94.7 79.6 122 92.9 75.4 113

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1510097

07-Oct-15

Client: Project:		Refining S Hydrotest		st, Inc.	1						
Sample ID	5ML RB	SampT	Type: MI	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	1
Client ID:	PBW	Batch	h ID: A2	9302	F	RunNo: 2	9302				
Prep Date:		Analysis D	Date: 1	0/5/2015	5	SeqNo: 8	90937	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	ND 18	0.050	20.00		88.4	57.8	137			
Sample ID	2.5UG GRO LCS	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	е	
Client ID:	LCSW	Batch	n ID: A2	9302	F	RunNo: 2	9302				
Prep Date:		Analysis D	Date: 10	0/5/2015	5	SeqNo: 8	90938	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Organics (GRO)	0.49	0.050	0.5000	0	97.3	80	120			
Surr: BFB	and a state	19		20.00		95.2	57.8	137	and the second		
Sample ID	1510097-002AMS	SampT	ype: MS	6	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	е	
Client ID:	Hydrowater	Batch	1D: A2	9302	F	RunNo: 2	9302				
Prep Date:		Analysis D	ate: 10	0/5/2015	5	SeqNo: 8	90945	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	1.4	0.050	0.5000	0.8892	99.7	70	130			
Surr: BFB		24		20.00		120	57.8	137		1.00	
Sample ID	1510097-002AMSI) SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	Hydrowater	Batch	1D: A2	9302	F	RunNo: 2	9302				
Prep Date:		Analysis D	ate: 10	0/5/2015	S	SeqNo: 8	90946	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	1.3	0.050	0.5000	0.8892	90.4	70	130	3.42	20	
Surr: BFB		24		20.00		119	57.8	137	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

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WO#: 1510097

07-Oct-15

	n Refining S ne Hydrotest		st, Inc.							
Sample ID MB-21639	Samp	Туре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		100
Client ID: PBS	Batc	h ID: 21	639	F	RunNo: 2	9302				
Prep Date: 10/2/2015	Analysis [Date: 10	0/5/2015	5	SeqNo: 8	90952	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050					1.1.1.1.1.1.1			1919
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000	in the second second	104	80	120			Sec.
Sample ID LCS-21639	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 21	639	F	RunNo: 2	9302				
Prep Date: 10/2/2015	Analysis [Date: 10	0/5/2015	5	SeqNo: 8	90953	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	95.9	80	120	1	1.11	1.1
Foluene	0.92	0.050	1.000	0	92.3	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
(ylenes, Total	2.9	0.10	3.000	0	95.6	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Qualifiers:

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

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P Sample pH Not In Range

1	Work Order Nymber.	1510097		RcptNo: 1	
Received by/date:	10/13/15				
Logged By: Lindsay Mangin	10/3/2015 9:25:00 AM		of yilligo		
Completed By: Lindsay Mangin	10/3/2015 9:42:43 AM		Automa		1.00
Reviewed By: dan 10/4/19	5		0.00		
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					
 Was an attempt made to cool the samples? 	,	Yes 🗹	No 🗆		¢
 Were all samples received at a temperature 	of >0°C to 6.0°C	Yes 🔽	No 🗌	NA L	
			/		
6. Sample(s) in proper container(s)?		- Yes	No Met-	102B)	
TEXIGEOANAL-1415 TOJEEN FROM 50 7. Sufficient sample volume for indicated texts	tine HOPE with 5-4	Yes V	No A	250ml Amere G	HARS Ad
8. Are samples (except VOA and ONG) proper		Yes 🗹	No		10
			1		14
9. Was preservative added to bottles?		Yes 🗌	No M	NA 🗌	\wedge
		Yes 🗌 Yes 🗹	No 🗹	NA 🗆	V
0. VOA vials have zero headspace?	en?			No VOA Vials 🗌	V
10. VOA vials have zero beadspace? 11. Were any sample containers received broke	en?	Yes 🔽 Yes 🗆	No 🗔 No 🔽 -	No VOA Vials	V
10. VOA vials have zero beadspace? 11. Were any sample containers received broke 12. Does paperwork match bottle labels?	en?	Yes 🗹	No 山	No VOA Vials # of preserved bottles checked for pH:	>12 unless noted)
 10. VOA vials have zero headspace? 11. Were any sample containers received broke 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes 🔽 Yes 🗆	No 🗔 No 🔽 -	No VOA Vials # of preserved bottles checked for pH:	>12 unless noted)
 10. VOA vials have zero headspace? 11. Were any sample containers received broke 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of 		Yes 🗹 Yes 🔽	No 🗐 No 🗹	No VOA Vials # of preserved bottles checked for pH: [<2 or Adjusted?	>12 unless noted)
 10. VOA vials have zero headspace? 11. Were any sample containers received broke 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of 14. Is it clear what analyses were requested? 15. Were all holding times able to be met? 		Yes 🗹 Yes 🔽 Yes 🔽	No No 12 No No	No VOA Vials # of preserved bottles checked for pH: [<2 or	>12 unless noted)
 10. VOA vials have zero beadspace? 11. Were any sample containers received broke 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of 4. Is it clear what analyses were requested? 		Yes V Yes V Yes V Yes V	No No 12 No No No	No VOA Vials # of preserved bottles checked for pH: [<2 or Adjusted?	>12 unless noted)
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 3. Are matrices correctly identified on Chain of 4. Is it clear what analyses were requested? 15. Were all holding times able to be met? 	Custody?	Yes V Yes V Yes V Yes V	No No 12 No No No	No VOA Vials # of preserved bottles checked for pH: [<2 or Adjusted?	>12 unless noted)
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WO#: 1510097

07-Oct-15

	Refining S Hydrotes		oi, moi							
Sample ID 5ML RB	Samp	Туре: МІ	BLK	Tes	tCode: I	EPA Method	8021B: Volat	tiles		
Client ID: PBW	Bato	h ID: R2	29302	F	RunNo:	29302				
Prep Date:	Analysis I	Date: 1	0/5/2015	5	SeqNo:	890963	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	2.5								
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Kylenes, Total	ND	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	21		20.00		103	65	127		10-1-1	144
Sample ID 100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: I	EPA Method	8021B: Volat	tiles		
Client ID: LCSW	Batc	h ID: R2	29302	F	RunNo:	29302				
Prep Date:	Analysis I	Date: 10	0/5/2015	5	SeqNo:	890964	Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	20	2.5	20.00	0	99.9	58.9	149			
Benzene	20	1.0	20.00	0	98.1	80	120			
Toluene	20	1.0	20.00	0	97.5	80	120			
Ethylbenzene	19	1.0	20.00	0	97.5	80	120			
Kylenes, Total	59	2.0	60.00	0	97.5	80	120			
1,2,4-Trimethylbenzene	19	1.0	20.00	0	97.1	80	120			
1,3,5-Trimethylbenzene	19	1.0	20.00	0	96.4	80	120			
Surr: 4-Bromofluorobenzene	22	3.1.	20.00		110	65	127			
Sample ID 1510102-002AMSE	Samp	Гуре: МЗ	SD	Tes	tCode: I	EPA Method	8021B: Volat	iles		
Client ID: BatchQC	Batc	h ID: R2	9302	F	RunNo:	29302				
Prep Date:	Analysis [Date: 10	0/5/2015	5	SeqNo:	890971	Units: µg/L			
Analyte	Result	PQL		SPK Ref Val	%REC		HighLimit	%RPD	RPDLimit	Qual
Nethyl tert-butyl ether (MTBE)	22	2.5	20.00	0	109		162	3.39	20	
Benzene	20	1.0	20.00	0	99.3		146	2.74	20	
oluene	20	1.0	20.00	0.3532	96.9		136	1.49	20	
thylbenzene	20	1.0	20.00	0.3610	96.5		132	2.25	20	
ylenes, Total	59	2.0	60.00	0	97.5		130	1.65	20	
,2,4-Trimethylbenzene	19	1.0	20.00	0	96.3		130	3.22	20	
,3,5-Trimethylbenzene	19	1.0	20.00	0.3066	94.2		128	2.49	20	
Surr: 4-Bromofluorobenzene	23		20.00		113	65	127	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

Page 12 of 12

Client: Mailing	Address	tern ill c	Refining Refining R 4990 VM 87413 32-4169	Turn-Around Standard Project Name Westlin Project #:		Same Day_ test				A		AL v.hal IE - 975	lenv Alb	ironr uque	S L ment erqui		30 om M 87 -410	RA	NT		
email o	r Fax#: Package: dard itation AP		Level 4 (Full Validation)	Kelly Sampler: N On Ice:	Robinson latt Krai	Lo in D No	BE + T MB's (8021)	BE + TPH (Gas only)	8015B (GRO / DRO / MRO)	d 418.1)	d 504.1)	SIMS)		Anions (F, CI, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8082 PCB's			de s			(V or N)
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MTBE	BTEX + MTBE	TPH 8015B	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,C	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	C'hloride			Air Rithhes /V or N)
<u>p-1-15</u>			Hydroweter soil	1-Boz Jar		-001	X		X									X			
-1-15			Hydro water	125 ML		-007_	X	1	X		-		11					X			
	4:20	Soil	Background soil	1-802.Jer		-003	X		X									X			
																					+
Date: 19/2/15 Date: 10/2/15	Time: 1241 Time: 2029	Relinguist Kol Relinguist	Alonin	Received by:	ter Ware	Date Time 10/2/15 1247 Date Time 102/15 04725		narks	s: /	401 Jut	d	"B	acl	Car	rovi	nd sti	50 Ce.	; ``	Sar	mpli	I e

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 8750

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State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

OIL CONS. DIV DIST. 3

OCT 1 9 2015 Form C-141 Revised August 8, 2011

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

						OPERA	TOR		🛛 Initia	al Report 🛛 Fin	nal Repor
Name of Co	ompany W	estern Refin	ing Pipel	ine, LLC.			elly Robinson		K M HITTH		
) Bloomfield					No. 505-632-41	66	14		
acility Na	me West L	line				Facility Typ	be Crude Oil Tra	ansmissi	on Line		
urface Ow	ner Tribal			Mineral	Owner	r			API No).	
				LOC	ATI	ON OF RE	LEASE				
Init Letter	Section	Township	Range	Feet from the		th/South Line	Feet from the	East/W	est Line	County	
T	15	19N	15W				1.0			5-02 File	
18											
				Latitude_35	5.8751	0_Longitude	108.41332				
2.20	i dana ka			NA	TUR	E OF REL			1.20	A China Later	1
	ease Hydro	test water					elease 513 barrel	1270 C	Contraction (Section 1)	Recovered 0 barrels	
ource of Re	elease under test pi	PACELITA					ur of Occurrence t approximately 9			Hour of Discovery 15 at approximately 9:3	0 am
pe tanure i	inder test pi	lessule				am	a approximatery 9		10/05/201	is a approximatory 9.5	J ulli
as Immedi	ate Notice (CALCULATION OF DESIGNATION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER	1			If YES, To W					
equired		×	Yes] No 🗌 Not		NMOCD (Co	bry Smith)				
	Kelly Robin	nson				Date and Hou	ur 10/02/2015 at 9)•00 am	-		
	course Rea				-		ime Impacting the		ourse.		
			Yes 🛛	No							
a Watercon	urse was Im	pacted, Desci	ribe Fully.	*							
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.*	and a p	pipe failure occu	urred. Western s	hut down	the hydro	test and isolated the pi	peline.
Describe Can Vestern Refi Describe Are Vestern Refi anked the si	use of Probl ining was ported a Affected ining collect te at 0 accord	em and Reme erforming a h and Cleanup ted soil sampl rding to the re	dial Actio ydro test o Action Tal les from th	n Taken.* on the West Line cen.* le source of the s ed remediation a	pill. T	he analytical re evel according t	sults showed TPF	I at 190 p mediation	pm and B' n guidelin	test and isolated the pi TEX as non-detect. We es. The hydro test wate oils was not necessary.	stern
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

October 08, 2015

Kelly Robinson Western Refining Southwest, Inc. #50 CR 4990 Bloomfield, NM 87413 TEL: (505) 632-4166 FAX (505) 632-3911

RE: Westline Hydrotest

OrderNo.: 1510196

Dear Kelly Robinson:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/6/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Western Refining Southwest,	Inc.	(drotest Release #4		
Project: Westline Hydrotest Lab ID: 1510196-001	Matrix:	MEOH (SOIL)	Collection Date: 10/3/2015 2:15:00 PM Received Date: 10/6/2015 8:11:00 AM				
Analyses	Result	RL Qual			Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	LGT	
Chloride	ND	30	mg/Kg	20	10/6/2015 1:26:31 PM	21688	
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst	KJH	
Diesel Range Organics (DRO)	130	9.7	mg/Kg	1	10/6/2015 1:37:47 PM	21680	
Motor Oil Range Organics (MRO)	60	49	mg/Kg	1	10/6/2015 1:37:47 PM	21680	
Surr: DNOP	97.6	57.9-140	%REC	1	10/6/2015 1:37:47 PM	21680	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	10/6/2015 10:19:12 AM	21666	
Surr: BFB	90.9	75.4-113	%REC	1	10/6/2015 10:19:12 AM	21666	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.032	mg/Kg	1	10/6/2015 10:19:12 AM	21666	
Toluene	ND	0.032	mg/Kg	1	10/6/2015 10:19:12 AM	21666	
Ethylbenzene	ND	0.032	mg/Kg	1	10/6/2015 10:19:12 AM	21666	
Xylenes, Total	ND	0.064	mg/Kg	1	10/6/2015 10:19:12 AM	21666	
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	10/6/2015 10:19:12 AM	21666	

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 10
	ND	Not Detected at the Reporting Limit	Р	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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1510196 Date Reported: 10/8/2015

Analytical Report

Lab Order 1510196

Date Reported: 10/8/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Inc. Westline Hydrotest **Project:**

1510196-002

Lab ID:

Client Sample ID: Hydrotest Background #4 Collection Date: 10/3/2015 2:45:00 PM Received Date: 10/6/2015 8:11:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	LGT
Chloride	ND	30		mg/Kg	20	10/7/2015 5:09:12 PM	21726
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S				Analyst:	KJH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/7/2015 12:32:11 PM	21724
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	10/7/2015 12:32:11 PM	21724
Surr: DNOP	36.8	57.9-140	S	%REC	1	10/7/2015 12:32:11 PM	21724
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	10/8/2015 3:46:49 AM	21694
Surr: BFB	89.3	75.4-113		%REC	1	10/8/2015 3:46:49 AM	21694
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.043		mg/Kg	1	10/8/2015 3:46:49 AM	21694
Toluene	ND	0.043		mg/Kg	1	10/8/2015 3:46:49 AM	21694
Ethylbenzene	ND	0.043		mg/Kg	1	10/8/2015 3:46:49 AM	21694
Xylenes, Total	ND	0.086		mg/Kg	1	10/8/2015 3:46:49 AM	21694
Surr: 4-Bromofluorobenzene	106	80-120		%REC	1	10/8/2015 3:46:49 AM	21694

Matrix: SOIL

a and preservation information. Re

Refe	Refer to the QC Summary report and sample login checklist for flagged QC data						
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detec			
	D	Sample Diluted Due to Matrix	E	Value above of			
	Н	Holding times for preparation or analysis exceeded	J	Analyte detec			
	ND	Not Detected at the Reporting Limit	Р	Sample pH N			

- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- cted in the associated Method Blank
- quantitation range
- ected below quantitation limits Page 2 of 10
- Not In Range
- RL Reporting Detection Limit

Analytical Report Lab Order 1510196

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/8/2015

CLIENT: Western Refining Southwest, Inc. Project: Westline Hydrotest Lab ID: 1510196-003 Matrix: AQUEOUS

Client Sample ID: Hydrotest Water #4 Collection Date: 10/3/2015 2:15:00 PM Received Date: 10/6/2015 8:11:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS	and the second second					Analyst	JRR
Chloride	20	5.0		mg/L	10	10/6/2015 11:22:25 AM	R29331
EPA METHOD 8260: VOLATILES SI	HORT LIST					Analyst	DJF
Benzene	5.4	2.0	D	µg/L	2	10/6/2015 1:18:23 PM	A29334
Toluene	15	2.0	D	µg/L	2	10/6/2015 1:18:23 PM	A29334
Ethylbenzene	3.3	2.0	D	µg/L	2	10/6/2015 1:18:23 PM	A29334
Xylenes, Total	24	3.0	D	µg/L	2	10/6/2015 1:18:23 PM	A29334
Surr: 1,2-Dichloroethane-d4	98.1	70-130	D	%REC	2	10/6/2015 1:18:23 PM	A29334
Surr: 4-Bromofluorobenzene	109	70-130	D	%REC	2	10/6/2015 1:18:23 PM	A29334
Surr: Dibromofluoromethane	107	70-130	D	%REC	2	10/6/2015 1:18:23 PM	A29334
Surr: Toluene-d8	99.6	70-130	D	%REC	2	10/6/2015 1:18:23 PM	A29334

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 10
	ND	Not Detected at the Reporting Limit	Р	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		

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510196 08-Oct-15

Client: Project:		n Refining Southwest, Inc. he Hydrotest		
Sample ID	MB-21688	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 21688	RunNo: 29358	
Prep Date:	10/6/2015	Analysis Date: 10/6/2015	SeqNo: 892718 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride	a state	ND 1.5		
Sample ID	LCS-21688	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 21688	RunNo: 29358	
Prep Date:	10/6/2015	Analysis Date: 10/6/2015	SeqNo: 892719 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride	to a meaning	14 1.5 15.00	0 94.3 90 110	
Sample ID	MB-21726	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 21726	RunNo: 29393	
Prep Date:	10/7/2015	Analysis Date: 10/7/2015	SeqNo: 894029 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		ND 1.5		
Sample ID	LCS-21726	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 21726	RunNo: 29393	
Prep Date:	10/7/2015	Analysis Date: 10/7/2015	SeqNo: 894030 Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride	1	14 1.5 15.00	0 91.3 90 110	

Qualifiers:

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

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Р Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510196 08-Oct-15

Client: Project:	Western Refining Southwest, Inc. Westline Hydrotest
Sample ID MB	SampType: MBLK TestCode: EPA Method 300.0: Anions
Client ID: PBW	Batch ID: R29331 RunNo: 29331
Prep Date:	Analysis Date: 10/6/2015 SeqNo: 891919 Units: mg/L
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 0.50
Sample ID LCS	SampType: LCS TestCode: EPA Method 300.0: Anions
Client ID: LCSW	V Batch ID: R29331 RunNo: 29331
Prep Date:	Analysis Date: 10/6/2015 SeqNo: 891920 Units: mg/L
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	4.9 0.50 5.000 0 98.4 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1510196 08-Oct-15

	rn Refining Southwest, Inc. ne Hydrotest	
Sample ID MB-21652	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 21652 RunNo: 29273	
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo: 890900 Units: %REC	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	7.9 10.00 78.7 57.9 140	
Sample ID LCS-21652	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 21652 RunNo: 29273	
Prep Date: 10/5/2015	Analysis Date: 10/5/2015 SeqNo: 890901 Units: %REC	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Surr: DNOP	4.7 5.000 94.7 57.9 140	
Sample ID MB-21680	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 21680 RunNo: 29273	
Prep Date: 10/6/2015	Analysis Date: 10/6/2015 SeqNo: 892313 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	9.6 10.00 96.2 57.9 140	
Sample ID LCS-21680	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 21680 RunNo: 29273	
Prep Date: 10/6/2015	Analysis Date: 10/6/2015 SeqNo: 892315 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 84.1 57.4 139	
Surr: DNOP	4.8 5.000 95.5 57.9 140	1
Sample ID MB-21724	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics	with a
Client ID: PBS	Batch ID: 21724 RunNo: 29273	
Prep Date: 10/7/2015	Analysis Date: 10/7/2015 SeqNo: 894129 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	11 10.00 108 57.9 140	124
Sample ID LCS-21724	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 21724 RunNo: 29273	
Prep Date: 10/7/2015	Analysis Date: 10/7/2015 SeqNo: 894130 Units: mg/Kg	

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

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Hall Environmental Analysis Laboratory, Inc.

Project:		Refining S Hydrotest		st, Inc.							
Sample ID	LCS-21724	SampT	Type: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	17
Client ID: I	LCSS	Batch	h ID: 21	724	F	RunNo: 2	9273				
Prep Date:	10/7/2015	Analysis D	Date: 1	0/7/2015	9	SeqNo: 8	94130	Units: mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	rganics (DRO)	42	10	50.00	0	84.9	57.4	139	Jord D	TH DENTIC	QUUI
Surr: DNOP		5.1		5.000		102	57.9	140			
Sample ID	1510196-002AMS	Samp1	Type: MS	3	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: H	Hydrotest Backg	rou Batch	h ID: 21	724	F	RunNo: 2	9273				
Prep Date:	10/7/2015	Analysis D	Date: 1	0/7/2015	5	SeqNo: 8	94132	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	rganics (DRO)	37	9.5	47.44	0	79.0	42.3	146			
Surr: DNOP		2.8		4.744		58.5	57.9	140			
Client ID: H Prep Date:	Hydrotest Backg 10/7/2015	Analysis D	h ID: 21 Date: 10			RunNo: 2 SeqNo: 8		Units: mg/k	g		
								ormer might	-		
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	rganics (DRO)	Result 23	PQL 9.8	49.12	SPK Ref Val 0	46.8	42.3	HighLimit 146	47.9	28.9	R
	rganics (DRO)	Result						HighLimit			
Diesel Range Or Surr: DNOP	2020	Result 23 1.9		49.12 4.912	0	46.8 37.8	42.3 57.9	HighLimit 146	47.9 0	28.9 0	R
Diesel Range Or	MB-21737	Result 23 1.9 SampT	9.8	49.12 4.912 BLK	0 Tes	46.8 37.8	42.3 57.9 PA Method	HighLimit 146 140	47.9 0	28.9 0	R
Diesel Range Or Surr: DNOP Sample ID	MB-21737 PBS	Result 23 1.9 SampT	9.8 Type: ME n ID: 21	49.12 4.912 BLK 737	0 Tes F	46.8 37.8 tCode: El	42.3 57.9 PA Method 9273	HighLimit 146 140	47.9 0 esel Range	28.9 0	R
Diesel Range Or Surr: DNOP Sample ID M Client ID: F Prep Date:	MB-21737 PBS	Result 23 1.9 SampT Batch	9.8 Type: ME n ID: 21	49.12 4.912 BLK 737 D/8/2015	0 Tes F	46.8 37.8 tCode: El RunNo: 2 SeqNo: 8	42.3 57.9 PA Method 9273	HighLimit 146 140 8015M/D: Die	47.9 0 esel Range	28.9 0	R
Diesel Range Or Surr: DNOP Sample ID M Client ID: F	MB-21737 PBS	Result 23 1.9 SampT Batch Analysis D	9.8 Type: ME n ID: 21 Date: 10	49.12 4.912 BLK 737 D/8/2015	0 Tes F S	46.8 37.8 tCode: El RunNo: 2 SeqNo: 8	42.3 57.9 PA Method 9273 94229	HighLimit 146 140 8015M/D: Die Units: %RE	47.9 0 esel Rango C	28.9 0 e Organics	R S
Diesel Range Or Surr: DNOP Sample ID M Client ID: F Prep Date: Analyte Surr: DNOP	MB-21737 PBS 10/8/2015	Result 23 1.9 SampT Batch Analysis D Result 9.9	9.8 Type: ME n ID: 21 Date: 10	49.12 4.912 BLK 737 D/8/2015 SPK value 10.00	0 Tes F S SPK Ref Val	46.8 37.8 tCode: El RunNo: 2 SeqNo: 8 %REC 98.6	42.3 57.9 PA Method 9273 94229 LowLimit 57.9	HighLimit 146 140 8015M/D: Die Units: %RE HighLimit	47.9 0 esel Rango C %RPD	28.9 0 e Organics RPDLimit	RS
Diesel Range Or Surr: DNOP Sample ID M Client ID: F Prep Date: Analyte Surr: DNOP Sample ID L	MB-21737 PBS 10/8/2015 .CS-21737	Result 23 1.9 SampT Batch Analysis D Result 9.9 SampT	9.8 Type: ME n ID: 21 Date: 10 PQL	49.12 4.912 BLK 737 D/8/2015 SPK value 10.00 S	0 Tes F SPK Ref Val Tes	46.8 37.8 tCode: El RunNo: 2 SeqNo: 8 %REC 98.6	42.3 57.9 PA Method 9273 94229 LowLimit 57.9 PA Method	HighLimit 146 140 8015M/D: Die Units: %RE HighLimit 140	47.9 0 esel Rango C %RPD	28.9 0 e Organics RPDLimit	R S
Diesel Range Or Surr: DNOP Sample ID M Client ID: F Prep Date: Analyte Surr: DNOP Sample ID L Client ID: L	MB-21737 PBS 10/8/2015 .CS-21737	Result 23 1.9 SampT Batch Analysis D Result 9.9 SampT	9.8 ype: ME 1 ID: 21' PQL ype: LC 1 ID: 21'	49.12 4.912 3LK 737 5/8/2015 5PK value 10.00 5 5 737	0 Tes SPK Ref Val Tes F	46.8 37.8 tCode: El RunNo: 2: SeqNo: 8: %REC 98.6 tCode: El	42.3 57.9 PA Method 9273 94229 LowLimit 57.9 PA Method 9273	HighLimit 146 140 8015M/D: Die Units: %RE HighLimit 140	47.9 0 esel Rango C %RPD esel Rango	28.9 0 e Organics RPDLimit	R S
Diesel Range Or Surr: DNOP Sample ID M Client ID: F Prep Date: Analyte Surr: DNOP Sample ID L Client ID: L	MB-21737 PBS 10/8/2015 .CS-21737 .CSS	Result 23 1.9 SampT Batch Analysis D Result 9.9 SampT Batch	9.8 ype: ME 1 ID: 21' PQL ype: LC 1 ID: 21'	49.12 4.912 BLK 737 0/8/2015 SPK value 10.00 S 737 0/8/2015	0 Tes SPK Ref Val Tes F	46.8 37.8 tCode: El RunNo: 2 SeqNo: 8 %REC 98.6 tCode: El RunNo: 2	42.3 57.9 PA Method 9273 94229 LowLimit 57.9 PA Method 9273	HighLimit 146 140 8015M/D: Die Units: %RE HighLimit 140 8015M/D: Die	47.9 0 esel Rango C %RPD esel Rango	28.9 0 e Organics RPDLimit	R S

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

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1510196

WO#:

08-Oct-15

Client:

WO#: 1510196 08-Oct-15

Hall Environmental Analysis Laboratory, Inc.

Western Refining Southwest, Inc.

Project: Westlin	ne Hydrotest	
Sample ID MB-21666	SampType: MBLK TestCode: EPA Method	8015D: Gasoline Range
Client ID: PBS	Batch ID: 21666 RunNo: 29332	
Prep Date: 10/5/2015	Analysis Date: 10/6/2015 SeqNo: 892323	Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 870 1000 86.6 75.4	113
Sample ID LCS-21666	SampType: LCS TestCode: EPA Method	8015D: Gasoline Range
Client ID: LCSS	Batch ID: 21666 RunNo: 29332	
Prep Date: 10/5/2015	Analysis Date: 10/6/2015 SeqNo: 892324	Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	26 5.0 25.00 0 103 79.6 940 1000 94.1 75.4	122 113
Sample ID MB-21694	SampType: MBLK TestCode: EPA Method	8015D: Gasoline Range
Client ID: PBS	Batch ID: 21694 RunNo: 29364	
Prep Date: 10/6/2015	Analysis Date: 10/7/2015 SeqNo: 893258	Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 880 1000 88.0 75.4	113
Sample ID LCS-21694	SampType: LCS TestCode: EPA Method	8015D: Gasoline Range
Client ID: LCSS	Batch ID: 21694 RunNo: 29364	
Prep Date: 10/6/2015	Analysis Date: 10/7/2015 SeqNo: 893259	Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	26 5.0 25.00 0 102 79.6	122
Surr: BFB	960 1000 95.7 75.4	113

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

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Hall Environmental Analysis Laboratory, Inc.

	rn Refining S ne Hydrotest		est, Inc.							
Sample ID MB-21666	Samp	Гуре: М	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 21	666	F	RunNo: 2	9332				
Prep Date: 10/5/2015	Analysis [Date: 1	0/6/2015	5	SeqNo: 8	92366	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050	and the second se			and the second second				
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000	1. A. A. A.	103	80	120			14
Sample ID LCS-21666	Samp	Type: LC	cs	Tes	tCode: El	PA Method	8021B: Vola	tiles		-
Client ID: LCSS	Batc	h ID: 21	666	F	RunNo: 2	9332				
Prep Date: 10/5/2015	Analysis [Date: 1	0/6/2015	S	SeqNo: 8	92368	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	96.7	80	120			1
Toluene	0.94	0.050	1.000	0	94.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120		1.	
Sample ID MB-21694	Samp	Type: MI	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		144
Client ID: PBS	Batc	h ID: 21	694	F	RunNo: 2	9364				
Prep Date: 10/6/2015	Analysis E	Date: 1	0/7/2015	5	SeqNo: 8	93314	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Foluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120		_	_
Sample ID LCS-21694	SampT	Type: LC	s	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batcl	h ID: 21	694	F	RunNo: 2	9364				
Prep Date: 10/6/2015	Analysis D	Date: 1	0/7/2015	S	SeqNo: 8	93315	Units: mg/k	٢g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	96.8	80	120			
Foluene	0.93	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
(ylenes, Total	2.8	0.10	3.000	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

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

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- P Sample pH Not In Range
- RL Reporting Detection Limit

WO#: 1510196

08-Oct-15

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510196 08-Oct-15

	rn Refining S ine Hydrotes		est, Inc.										
Sample ID rb	Samp	SampType: MBLK			TestCode: EPA Method 8260: Volatiles Short List								
Client ID: PBW	Batch ID: A29334			F	RunNo: 29334								
Prep Date:	Analysis Date: 10/6/2015			5	SeqNo: 892563			Units: µg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	1.0							and the second				
Toluene	ND	1.0											
Ethylbenzene	ND	1.0											
Xylenes, Total	ND	1.5											
Surr: 1,2-Dichloroethane-d4	9.5		10.00		95.0	70	130						
Surr: 4-Bromofluorobenzene	11		10.00		106	70	130						
Surr: Dibromofluoromethane	11		10.00		107	70	130						
Surr: Toluene-d8	10		10.00		102	70	130		12.2				
Sample ID 100ng Ics	Samp	Type: LC	s	Tes	tCode: E	PA Method	8260: Volatil	es Short I	list				
Client ID: LCSW	Batc	h ID: A2	9334	F	RunNo: 2	9334							
Prep Date:	Analysis [Date: 1	0/6/2015	S	SeqNo: 8	92564	Units: µg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	21	1.0	20.00	0	106	70	130		12112				
foluene	22	1.0	20.00	0	108	70	130						
Surr: 1,2-Dichloroethane-d4	9.8		10.00		98.2	70	130						
Surr: 4-Bromofluorobenzene	12		10.00		116	70	130						
Surr: Dibromofluoromethane	11		10.00		111	70	130						
Surr: Toluene-d8	9.9		10.00		99.1	70	130						

Qualifiers:

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

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ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-39	tal Analysis Labor 4901 Hawkii Ubuquerque, NM 8 75 FAX: 505-345 hallenviroumenia	15 NE 17109 Sam	ole Log-In Chec	k List
Client Name: Western Refining Southw Work Order Numb	er: 1510196	and most	Reptilio: 1	
Received by/date: 10/06/15				1
Logged By: Lindsay Mangin 10/6/2015 8:11:00 A	M	0 ythe		in the m
Completed By: Lindsay Mangin 10/6/2015 8:26:16 A	M	Altho		
Reviewed By: CS 10/06/15		1		
Chain of Custody				1 - 3 - 1
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 V	No 🗌	NA	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆		
T C T is a second	Yes 🗹	No 🗆		
7 Sufficient sample volume for indicated test(s)?	Yes V	No 🗌		
 8. Are samples (except VOA and ONG) properly preserved? 9. Was preservative added to bottles? 	Yes L	No V	NA 🗆	
10. VOA vials have zero headspace?	Yes 🗹	No 🗌	No VOA Vials	
11. Were any sample containers received broken?	Yes 🗆	No 🗹	# of preserved bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗌	for pH: (<2 or >12	unless noted
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	
14, Is it clear what analyses were requested?	Yes 🔽	No 🗆		
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by:	
Special Handling (if applicable)	441 J		a per la	
16. Was client notified of all discrepancies with this order?	Yes	No 🗌	NA D	
Person Notified: Date				
By Whom: Via:	eMail	Phone E Fax	In Person	
Regarding:	land to the land			
Client Instructions:				
17. Additional remarks:				
18. <u>Cooler Information</u> Cooler No Temp ℃ Condition Seal Intact Seal No	Seal Date	Signed By		
1 2.4 Good Yes				
Page 1 of 1	n antise disastra anti-	-u	and an and a set of second sets of the second second	

Client: Mailing	Address	III C	Istody Record fining CR 4990 IM 87413 Z-4169	Turn-Around		Some Day Yest	HALL ENVIRONME ANALYSIS LABORA www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975. Fax 505-345-4107 Analysis Request													
email o QA/QC X Star Accred	r Fax#: / Packaga: ndard itation		Level 4 (Full Validation)	Sampler: Ke On Ice:	ger: Robinson Ily, Robin pryes perature: Z.	I SOM	BTEX + MTBE++ TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	1418.1)	1504.1)	or 8270 SIMS)	als	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's		(OA)	e		Y or N)
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	PT THE READER	BTEX + MTB	BTEX + MTB	TPH 8015B (TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310	RCRA 8 Metals	Anions (F,CI,	8081 Pesticic	8260B (VOA)	8270 (Semi-VOA)	Chlorid		Air Bubbles (Y or N)
-3-15	14:15	Soil		2.402 Jar		-001	X		X									X		
	14:45		Hydrotest Background#4			-002	K		X.			_						ΧI		
	14:15		Hydroxlest Weter#74	1-500 ML poly		-003						-					14	X		
-315	-3-15 14:15 H20 Hydrostest Wester # 4	Hydroslest Wesler # 9	3-10A5	HCI	-00/3	X														
Date: -5-15 Date:	Time: 4.'00 Time: 1900	Relinquist	Stuball	Received by:	~ Waet	Data Time 10/5/15 1000 Data Time 6/15 (2811	Rer	mark	s: H	la la Inti]	Bac	:K9 rM	her	n	oti	ian Te	Ran	e KK Ilyes	-2

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recompred exercise excented to Hall Environmental may be subcontracted to Ather adventice laborationes. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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

Release Notification and Corrective Action

OPERATOR

OIL CONS. DIV DIST. 3

OCT 3 0 2015

Form C-141 Revised August 8, 2011

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

M Initial Report M Final Report

Name of Co	mnany W	estern Refin	ing Dinel	ine LLC	Contact K	elly Robinson			
) Bloomfield		ine, LLC.		No. 505-632-41	66		
Facility Na			,	1.		pe Crude Oil Tr		on Line	
Surface Ow	mon Tribol			Mineral C	Jumor		_	API No	
Surface Ow	ner moai			Ivinierai C	Jwilei			AFINC	
				LOCA	ATION OF RE	LEASE		1.0	
Unit Letter	Section 1	Township 20N	Range 15W	Feet from the	North/South Line	Feet from the	East/W	est Line	County
				Latitude_3	5.9956_ Longitud	e108.3785			
				NAT	URE OF REL	EASE			
Type of Rele		test water				elease 5.9 barrels			Recovered 0 barrels
Source of Re						ir of Occurrence			Hour of Discovery 15 at approximately 9:30 am
Pipe failure u Was Immedi					If YES, To W	t approximately 9: /hom?	30 am	10/07/20	15 at approximately 9:30 am
Required	ale rionee .		Yes [] No 🗌 Not	NMOCD (Co				
By Whom?	Matthew K	rakow			Date and Hou	ur 10/08/2015 at 9	:23 am	- 12 - 17	
Was a Water	course Rea		Yes 🗵	No	If YES, Volu	me Impacting the	Watercou	irse.	
Western Refi conservative remediation	ning collec ly ranked th guidelines.	ne site with a s The hydro tes	les from th score of 10 t water dic	e source of the sp which puts this s	ite below the recomm	nended remediation	on action	level acco	TEX as non-detect. Western rding to the NMOCD sessment of the release event
I hereby certi regulations a public health should their o or the environ	ify that the ll operators or the envi operations h nment. In a	are required t ronment. The nave failed to	iven above to report and acceptance adequately OCD accept	nd/or file certain r ce of a C-141 repo investigate and r	elease notifications ort by the NMOCD r emediate contamina	and perform corre narked as "Final F tion that pose a the ve the operator of	ctive actic Report" do reat to gro responsib	ons for reli- bes not reli- bund water bility for c	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other
Signature:	Nat	Tull	N					1	DIVISION 7
Printed Name	e: Matthew	Krakow			Approved by	y Environmental S	Specialist:	\mathcal{C}	Sh
Title: Enviro	nmental Co	ordinator	1		Approval Da	nte: 12/18/14	5 E	xpiration	Date:
E-mail Addre	ess: <u>matt.kr</u> a	akow@wnr.co	om		Conditions of	of Approval:			Attached
Date:10/29/2			the second s	-632-4169					
Attach Addi	tional She	ets If Necess	ary	#/NC.	5 15 3	52402	15		18



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

October 12, 2015

Kelly Robinson Western Refining Southwest, Inc. #50 CR 4990 Bloomfield, NM 87413 TEL: (505) 632-4166 FAX (505) 632-3911

RE: Westline Hydrotest

OrderNo.: 1510465

Dear Kelly Robinson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/9/2015 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 <u>www.hallenvironmental.com</u> 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 qualifers 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 1510465
Date Reported: 10/12/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Western Refining Southwest, Inc.
 Client Sample ID: Hydrotest Release #6

 Project:
 Westline Hydrotest
 Collection Date: 10/7/2015 2:00:00 PM

 Lab ID:
 1510465-002
 Matrix:
 MEOH (SOIL)
 Received Date: 10/9/2015 7:30:00 AM

 Analyses
 Result
 PL
 Ouel
 Units
 DE
 Date Analyzed

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	72	30	mg/Kg	20	10/9/2015 11:19:15 AM	21767
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst:	KJH
Diesel Range Organics (DRO)	150	9.9	mg/Kg	1	10/9/2015 12:12:51 PM	21758
Motor Oil Range Organics (MRO)	270	50	mg/Kg	1	10/9/2015 12:12:51 PM	21758
Surr: DNOP	99.0	57.9-140	%REC	1	10/9/2015 12:12:51 PM	21758
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	10/9/2015 10:21:03 AM	21739
Surr: BFB	87.1	75.4-113	%REC	1	10/9/2015 10:21:03 AM	21739
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.036	mg/Kg	1	10/9/2015 10:21:03 AM	21739
Toluene	ND	0.036	mg/Kg	1	10/9/2015 10:21:03 AM	21739
Ethylbenzene	ND	0.036	mg/Kg	1	10/9/2015 10:21:03 AM	21739
Xylenes, Total	ND	0.071	mg/Kg	1	10/9/2015 10:21:03 AM	21739
Surr: 4-Bromofluorobenzene	105	80-120	%REC	1	10/9/2015 10:21:03 AM	21739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 1 of 5
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	rage rors
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix			

WO#: 1510465

Hall Environmental Analysis Laboratory, Inc.

12-Oct-15

Client: Project:		rn Refining Southwest, Inc. ne Hydrotest	
	PBS	SampType: MBLK Batch ID: 21767	TestCode: EPA Method 300.0: Anions RunNo: 29458
Prep Date: 10/9/2015 Analyte Chloride		Analysis Date: 10/9/2015 Result PQL SPK value : ND 1.5	SeqNo: 895859 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID Client ID:	LCS-21767 LCSS	SampType: LCS Batch ID: 21767	TestCode: EPA Method 300.0: Anions RunNo: 29458
Prep Date: Analyte	10/9/2015	Analysis Date: 10/9/2015 Result PQL SPK value	SeqNo: 895860 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.00	0 93.0 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

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510465 12-Oct-15

	n Refining Southwest, Inc. e Hydrotest		
Sample ID MB-21652	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Orga	nics
Client ID: PBS	Batch ID: 21652	RunNo: 29273	
Prep Date: 10/5/2015	Analysis Date: 10/5/2015	SeqNo: 890900 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDI	imit Qual
Surr: DNOP	7.9 10.00	78.7 57.9 140	
Sample ID LCS-21652	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Orga	nics
Client ID: LCSS	Batch ID: 21652	RunNo: 29273	
Prep Date: 10/5/2015	Analysis Date: 10/5/2015	SeqNo: 890901 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDI	imit Qual
Surr: DNOP	4.7 5.000	94.7 57.9 140	
Sample ID MB-21679	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Orga	nics
Client ID: PBS	Batch ID: 21679	RunNo: 29273	
Prep Date: 10/6/2015	Analysis Date: 10/8/2015	SeqNo: 894236 Units: %REC	
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDI	imit Qual
Surr: DNOP	10 10.00	105 57.9 140	
Sample ID LCS-21679	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Orga	nics
Client ID: LCSS	Batch ID: 21679	RunNo: 29273	
Prep Date: 10/6/2015	Analysis Date: 10/8/2015	SeqNo: 894238 Units: %REC	
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDI	imit Qual
Surr: DNOP	5.6 5.000	112 57.9 140	
Sample ID MB-21758	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Orga	nics
Client ID: PBS	Batch ID: 21758	RunNo: 29273	
Prep Date: 10/9/2015	Analysis Date: 10/9/2015	SeqNo: 894850 Units: mg/Kg	
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDL	imit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	10 10.00	101 57.9 140	a Stall
Sample ID LCS-21758	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organ	nics
Client ID: LCSS	Batch ID: 21758	RunNo: 29273	
Prep Date: 10/9/2015	Analysis Date: 10/9/2015	SeqNo: 894851 Units: mg/Kg	
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDL	imit Qual
Diesel Range Organics (DRO)	43 10 50.00	0 86.0 57.4 139	1941-8531
Surr: DNOP	4.8 5.000	96.5 57.9 140	

Qualifiers:

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

Page 3 of 5

WO#: 1510465 12-Oct-15

Hall Environmental Analysis Laboratory, Inc.

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	n Refining Southwest, Inc. ne Hydrotest											
Sample ID MB-21739 Client ID: PBS	SampType: MBLK Batch ID: 21739	TestCode: EPA Method RunNo: 29422	TestCode: EPA Method 8015D: Gasoline Range RunNo: 29422									
Prep Date: 10/8/2015	Analysis Date: 10/9/2015	SeqNo: 895535	Units: mg/Kg									
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD I	RPDLimit Qual								
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 860 100	0 85.9 75.4	113	A.Y.B.								
Sample ID LCS-21739 Client ID: LCSS	SampType: LCS Batch ID: 21739	TestCode: EPA Method RunNo: 29422	8015D: Gasoline Range									
Client ID: LCSS Prep Date: 10/8/2015	Analysis Date: 10/9/2015	SeqNo: 895536	Units: mg/Kg									
Analyte	Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD F	RPDLimit Qual								
Gasoline Range Organics (GRO)	24 5.0 25.0	0 0 97.8 79.6	122									
Surr: BFB	940 100	0 94.1 75.4	113									

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510465 12-Oct-15

	n Refining S ne Hydrotest		st, Inc.											
Sample ID MB-21739	Samp	Type: ME	BLK	TestCode: EPA Method 8021B: Volatiles										
Client ID: PBS	Batc	Batch ID: 21739			RunNo: 2	9422								
Prep Date: 10/8/2015	Analysis [Date: 10	0/9/2015	5	SeqNo: 8	95553	Units: mg/h	۲g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	ND	0.050								1.1				
Toluene	ND	0.050												
Ethylbenzene	ND	0.050												
Xylenes, Total	ND	0.10												
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			in the				
Sample ID LCS-21739	Samp	Type: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		1.1				
Client ID: LCSS	Batc	h ID: 21	739	F	RunNo: 2	9422								
Prep Date: 10/8/2015	Analysis [Date: 10	0/9/2015	S	SeqNo: 8	95554	Units: mg/k	٢g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	0.93	0.050	1.000	0	92.6	80	120		14, 12,	100				
Toluene	0.91	0.050	1.000	0	91.4	80	120							
Ethylbenzene	0.93	0.050	1.000	0	93.1	80	120							
Kylenes, Total	2.8	0.10	3.000	0	94.3	80	120							
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120							

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

Page 5 of 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Received by/date: 10 09/15 Logged By: Lindsay Mangin 10/9/2015 7:30:00. Completed By: Lindsay Mangin 10/9/2015 8:04:23. Reviewed By: Da 10/9/2015 8:04:23. Chain of Custody 10 10/9/15 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered? Log In	AM	Ang the former of the former o	
Completed By: Lindsay Mangin 10/9/2015 8:04:23. Reviewed By: Da 10/0 9 /1 5 Chain of Custody 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered?	AM Yes 🗔	A-44Aligo A-44Aligo No □	
Reviewed By: Da 10/09/15 <u>Chain of Custody</u> 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered?	Yes 🗌	No .	
Reviewed By: Da 10/09/15 <u>Chain of Custody</u> 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered?	Yes 🗌	No 🗌	
Chain of Custody 7 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered?	Yes 🗌	No 🗌	
 Custody seals intact on sample bottles? Is Chain of Custody complete? How was the sample delivered? 		No 🗌	172
 Is Chain of Custody complete? How was the sample delivered? 	Yes 🗹	provide and provid	Not Present
		No 🛄	Not Present
Log In	Courier		
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 🗹	# of preserved bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🔽	No 🗌	for pH: (<2 or >12 unless noted)
13, Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?
14, Is it clear what analyses were requested?	Yes 🗹	No 🗌	Charledha
15, Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No	Checked by:
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this order?	Yes	No 🗆	NA 🗹
Person Notified: Dal	te		
By Whom: Via	: 🗌 eMail 🗍	Phone 🗌 Fax	In Person
Regarding:			
Client Instructions:			
17. Additional remarks:			
18. Cooler Information		0	
Cooler No Temp °C Condition Seal Intact Seal No 1 2.7 Good Yes	Seal Date	Signed By	

Page 1 of 1

Chain-of-Custody Record Mestern Refining Mailing Address: /// CR 4990 Bloomfield, NM 87413 Phone #: 505-632-4169			Turn-Around Time: Standard X Rush Same Daip Project Name: Westline Hydrotest Project #:				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request													
amail o QA/QC to Stan Accred □ NEL	r Fax#: / Package: idard itation AP	D Othe	□ Level 4 (Full Validation)	Kelly Sampler: N On Ice:	Robinso Nati Kra Rives	Kow DNO	E+ TMB's (8021)	E + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	418.1)	504.1)	or 8270 SIMS)	Is	Anions (F.,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's		(A)	.5		f or N)
Date	Time	Matrix	Sample Request ID	Sample Tem Container Type and #	Preservative Type	HEAL NO. 1510465	BTEX + MTBE	BTEX + MTBE	TPH 8015B ((TPH (Method 418.1)	EDB (Method	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,	8081 Pesticid	8260B (VOA)	8270 (Semi-VOA)	Chloride		Air Bubbles (Y or N)
7-15 7-15	1:45	Soil Soil	Background #6 Hydrotest Release #6			-001 -002	X		××									××		
7450																				
Date: 8-15 Date: 8/15	Time: 3:00 Time: 2057	Relinquist	Atom	Received by: Received by:	Waer HIOI	Date Time 10/8/15-1500 Pate Time 09/15-0730	3	mark	ts										n d Lotic	