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 Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NCS1911540069
District RP	
Facility ID	
Application ID	

Release Notification

			Resp	onsi	ble Party	Y				
Responsible	Party Hilco	rp Energy Compa	ny		OGRID 37	72171				
Contact Nam	ne Jennifer I	Deal			Contact Telephone 505-801-6517					
Contact ema	il jdeal@hil	corp.com			Incident #1	NCS191154006	9			
Contact mail	ing address	382 Road 3100,	Aztec NM 87410							
			Location	of R	Release So	ource				
Latitude 36.	.8889351		(NAD 83 in de	cimal de	Longitude -	108.0185242 nal places)				
Site Name C	Grenier 13F				Site Type	Gas Well				
Date Release	Discovered	4/18/2019 @ 3:4	15pm		API# 30-045	5-33901				
Unit Letter	Section	Township	Range		County					
D	20	31N	11W	San	Juan					
	Materia	l(s) Released (Select a		d Vo	lume of I	justification for the	volumes provided below)			
Crude Oil		Volume Release			Volume Recovered (bbls)					
Produced	Water	Volume Release			Volume Recovered (bbls) 0 bbl					
		Is the concentration produced water	tion of dissolved c >10,000 mg/l?	chlorid	de in the Yes No					
Condensa	nte	Volume Release			Volume Recovered (bbls) 0					
Natural C	das	Volume Release	ed (Mcf)		Volume Recovered (Mcf)					
Other (describe) Volume/Weight Released (provide unit					S) Volume/Weight Recovered (provide units)					
	oduced wate er was calle	d to empty pit and					was secured and the well was shut in bbls was pulled from pit tank. Release			

Form C-141 Page 3

State of New Mexico Oil Conservation Division

Incident ID	NCS1911540069
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>50</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	rtical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data □ Data table of soil contaminant concentration data □ Depth to water determination □ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release □ Boring or excavation logs □ Photographs including date and GIS information □ Topographic/Aerial maps □ Laboratory data including chain of custody 	ls.

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	NCS1911540069
District RP	
Facility ID	
Application ID	

regulations all operators are required to report and/or file certain release republic health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a term of the contamination of the certain release required to report and/or file certain report and/or file certain release required to report and/or file certain report and/or file cert	notifications and perform corrective actions for releases which may endanger to OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws
Printed Name:Jennifer Deal	Title:Environmental Specialist
Signature:	Date:5/21/19
email:jdeal@hilcorp.com	Telephone:(505) 324-5128
OCD Only	
Received by:	Date:

Form C-141 Page 6

State of New Mexico Oil Conservation Division

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

Incident ID	NCS1911540069
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

e liner integrity if applicable (Note: appropriate OCD District office
rict office must be notified 2 days prior to final sampling)
he best of my knowledge and understand that pursuant to OCD rules are notifications and perform corrective actions for releases which 41 report by the OCD does not relieve the operator of liability to contamination that pose a threat to groundwater, surface water, 41 report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially and that existed prior to the release or their final land use in then reclamation and re-vegetation are complete. Title:Environmental Specialist
e:5/21/19
one:505-801-6517
Date: 6/25/19
Date: bility should their operations have failed to adequately investigate and human health, or the environment nor does not relieve the responsible ulations.
bility should their operations have failed to adequately investigate and human health, or the environment nor does not relieve the responsible

Scaled Map

N



Photographs – 4/18/19 – Release event

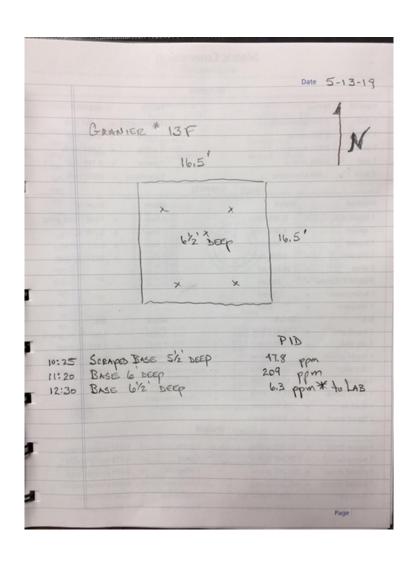




Grenier 13F Release

- Removed the pit on 5/13/19 @ 9am and continued remediation.
 Since NMOCD was on site for the removal of the pit, confirmation sampling was approved by Cory Smith verbally for the same day
- Removed a total of 10 yds/3 of contaminated soil on 5/13/19

Field Data



Data table of soil contaminant concentration data

TABLE 1												
SOIL ANALYTICAL RESULTS												
GRENIER 13F												
				нп	CORP ENERGY - L48 WEST	•						
Soil Sample Identification	Sample	Field	Benzene	Toluene	Ethylbenzene (mg/kg)	Total	Total	Chlorides	GRO	DRO	MRO	TPH
Son Sample Identification	Date	Headspace	(mg/kg)	(mg/kg)	Ethyloenzene (mg/kg)	Xylenes	BTEX	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Base BGT Cellar 6 1/2'	5/13/2019		0.000622	< 0.005	< 0.0005	< 0.0015	0.000622	303	<0.1	<4.0	<4.0	<4.0
	1	1										
	NMOCD Standards NE 10 NE NE NE 50 600 NE NE 100											

Depth to water determination



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NA

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub- basin	County		Q 16			Tws	Rng	x	Y	DepthWellDepth		Vater olumn
SJ 03458		SJ	SJ	4	3	3	19	31N	11W	229277	4085688*	140		
SJ 03858 POD1		SJ	SJ	3	2	4	18	31N	11W	230326	4087706	295	85	210

Average Depth to Water:

85 feet

Minimum Depth:

85 feet

Maximum Depth:

85 feet

Record Count: 2

PLSS Search:

Section(s): 17-20

Township: 31N

Range: 11W

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

Ground Water Depth

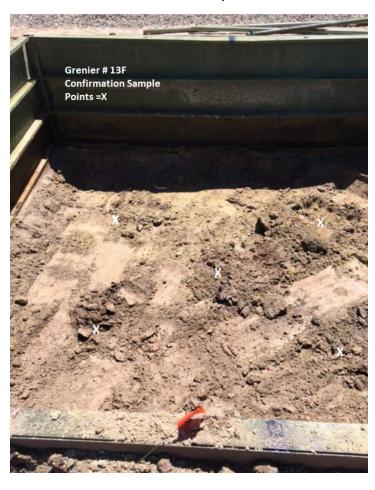
- Pod Waters: 03858 POD1
 - Elevation = 6123 with a depth of 85ft
 - Well location elevation = 6126
 - GW depth ~ 82ft

Determination of water sources and significant watercourses within ½ mile of the lateral extent of the release



Photographs – 5/13/19 Sampling Event

Confirmation Sample Base



Photographs – After Cleanup







Topographic/Aerial Maps





Jennifer Deal

From: Mandi Walker

Sent: Thursday, May 9, 2019 8:00 AM

To: Smith, Cory, EMNRD

Cc: Jennifer Deal; Mike Murphy; Ramon Florez; Frank Anstead; Kurt Hoekstra

Subject: Grenier 13F - NCS1911540069

Importance: High

The subject well has a below-grade tank that will begin remediation of contanimated soil between 72 hours and one week from this notification. Please contact me at any time if you have any questions or concerns.

Well Name: Grenier 13F API#: 30-045-33901 Location: D 20-31N-11W

Footages: 950' FNL & 1200' FWL

Operator: Hilcorp Energy Surface Owner: Federal

Scheduled Date & Time of Start: Monday May 13th @ 9:00 am.

Reference Number: NCS1911540069

Mandi Walker

San Juan North Regulatory Technician Hilcorp Energy 505.324.5122 mwalker@hilcorp.com

^{*}Please note that the BGT will be placed back in the same location following remediation*



ANALYTICAL REPORT

May 17, 2019

















HilCorp-Farmington, NM

Samples Received:

Report To:

Sample Delivery Group: L1099039

Project Number: **GRANIER #13F**

Description: **GRANIER #13F**

Site: **GRANIER #13F**

> Jennifer Deal 382 Road 3100

05/15/2019

Aztec, NM 87401

Entire Report Reviewed By: Washne R Richards

Daphne Richards Project Manager





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Tc: Table of Contents	2
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Cn: Case Narrative	4
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Collected by

Collected date/time Received date/time



BASE BGT CELLAR 6 1/2' L1099039-01 Solid			Kurt	05/13/19 12:30	05/15/19 08:4	5
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Wet Chemistry by Method 9056A	WG1281967	1	05/16/19 15:50	05/16/19 20:01	ST	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1282178	1	05/15/19 19:27	05/16/19 15:47	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1281843	1	05/15/19 22:45	05/16/19 11:19	DMW	Mt. Juliet, TN



















All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Ss













Japhne R Richards

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

L1099039

Wet Chemistry by Method 9056A

	Result	Qualifier	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg		date / time	
Chloride	303		10.0	1	05/16/2019 20:01	WG1281967

Volatile Organic Compounds (GC) by Method 8015/8021

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
Benzene	0.000622	В	0.000500	1	05/16/2019 15:47	WG1282178
Toluene	ND		0.00500	1	05/16/2019 15:47	WG1282178
Ethylbenzene	ND		0.000500	1	05/16/2019 15:47	WG1282178
Total Xylene	ND		0.00150	1	05/16/2019 15:47	WG1282178
TPH (GC/FID) Low Fraction	ND		0.100	1	05/16/2019 15:47	WG1282178
(S) a,a,a-Trifluorotoluene(FID)	97.4		77.0-120		05/16/2019 15:47	WG1282178
(S) a,a,a-Trifluorotoluene(PID)	101		72.0-128		05/16/2019 15:47	WG1282178



Ss

Cn

СQс

Gl

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.00	1	05/16/2019 11:19	WG1281843
C28-C40 Oil Range	ND		4.00	1	05/16/2019 11:19	WG1281843
(S) o-Terphenyl	44.0		18.0-148		05/16/2019 11:19	WG1281843





QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Wet Chemistry by Method 9056A

L1099039-01

Method Blank (MB)

(MB) R3412071-1 05/16/	19 16:49			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	0.797	J	0.795	10.0







L1097777-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1097777-03 05/16/19 17:51 • (DUP) R3412071-4 05/16/19 18:04

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	ND	1.65	1	0.000		15





⁶Qc

L1099142-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1099142-01 05/16/19 21:18 • (DUP) R3412071-7 05/16/19 21:31

(00) 21000112 01 00/10/10	Original Result			DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	ND	0.000	1	0.000		15





Laboratory Control Sample (LCS)

(LCS) R3412071-3 05/16/19 17:25

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Chloride	200	211	105	80.0-120	

L1097777-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1097777-04 05/16/19 18:17 • (MS) R3412071-5 05/16/19 18:30 • (MSD) R3412071-6 05/16/19 18:43

(00) 21007777 01 00/10	(00) 21007777 0 1 00/10/10 10.11 (110) 10 00/10/10 10.00 (1100) 10.10												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Chloride	500	ND	512	518	102	103	1	80.0-120			1.07	15	

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC) by Method 8015/8021

L1099039-01

Method Blank (MB)

(MB) R3412124-5 05/16/1	9 11:48			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Benzene	0.000189	<u>J</u>	0.000120	0.000500
Toluene	0.000400	<u>J</u>	0.000150	0.00500
Ethylbenzene	0.000205	<u>J</u>	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	99.3			77.0-120
(S) a,a,a-Trifluorotoluene(PID)	103			72.0-128



(LCS) R3412124-1 05/16/1	Spike Amount	,	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	PPN	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%	LC3 Qualifier	LC3D Qualifier	%	%	
Benzene	0.0500	0.0425	0.0416	85.0	83.3	76.0-121			2.02	20	
Toluene	0.0500	0.0435	0.0426	87.0	85.2	80.0-120			2.05	20	
Ethylbenzene	0.0500	0.0444	0.0433	88.8	86.7	80.0-124			2.39	20	
Total Xylene	0.150	0.131	0.128	87.1	85.4	37.0-160			1.93	20	
(S) a,a,a-Trifluorotoluene(FID)				99.1	98.6	77.0-120					
(S) a,a,a-Trifluorotoluene(PID)				103	102	72.0-128					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3412124-3 05/16/	(LCS) R3412124-3 05/16/19 10:36 • (LCSD) R3412124-4 05/16/19 11:00										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
TPH (GC/FID) Low Fraction	5.50	5.08	4.95	92.3	89.9	72.0-127			2.60	20	
(S) a,a,a-Trifluorotoluene(FID)				104	103	77.0-120					
(S) a,a,a-Trifluorotoluene(PID)				108	108	72.0-128					



PAGE:

7 of 12

a,a,a-Trifluorotoluene(PID)

QUALITY CONTROL SUMMARY

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Volatile Organic Compounds (GC) by Method 8015/8021

L1099039-01

L1098004-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1098004-09 05/16/19 18:34 • (MS) R3412124-6 05/16/19 21:21 • (MSD) R3412124-7 05/16/19 21:45

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	Ī
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Benzene	0.0500	ND	0.493	0.541	39.5	43.3	25	10.0-155			9.27	32	L
Toluene	0.0500	ND	0.541	0.594	43.3	47.5	25	10.0-160			9.33	34	-
Ethylbenzene	0.0500	ND	0.622	0.685	49.8	54.8	25	10.0-160			9.63	32	L
Total Xylene	0.150	ND	1.85	2.03	49.2	54.2	25	10.0-160	<u>J6</u>	<u>J6</u>	9.74	32	Ę
(S) a,a,a-Trifluorotoluene(FID)					99.5	99.0		77.0-120					

72.0-128

102

102

5 Sr

L1098004-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1098004-09 05/16/19 18:34 • (MS) R3412124-8 05/16/19 22:09 • (MSD) R3412124-9 05/16/19 22:33

(OS) L1098004-09 OS/16/	19 10.34 • (1013) 1	3412124-6 US	10/19 22.09 •	(IVISD) R341212	4-9 05/16/19 .	22.33						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	ND	30.2	26.4	21.9	19.2	25	10.0-151			13.4	28
(S) a,a,a-Trifluorotoluene(FID)					103	103		77.0-120				
(S) a,a,a-Trifluorotoluene(PID)					105	105		72.0-128				















QUALITY CONTROL SUMMARY

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Semi-Volatile Organic Compounds (GC) by Method 8015

64.3

L1099039-01

Method Blank (MB)

(S) o-Terphenyl

(MB) R3411902-1 05/16/19 09:57 MB RDL MB Result MB Qualifier MB MDL Analyte mg/kg mg/kg mg/kg U C10-C28 Diesel Range 1.61 4.00 U C28-C40 Oil Range 0.274 4.00





Laboratory Control Sample (LCS)

(LCS) R3411902-2 05/16/19 10:11 Spike Amount LCS Result LCS Rec. Rec. Limits LCS Qualifier % Analyte mg/kg mg/kg % C10-C28 Diesel Range 50.0 35.7 71.4 50.0-150 59.2 (S) o-Terphenyl 18.0-148



[†]Cn





GI

L1098577-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

18.0-148

(OS) L1098577-03 05/16/19 11:33 • (MS) R3411902-3 05/16/19 11:47 • (MSD) R3411902-4 05/16/19 12:01

,	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	50.0	U	34.8	31.2	69.6	62.4	1	50.0-150			10.9	20
(S) o-Terphenyl					52.6	45.9		18.0-148				







GLOSSARY OF TERMS

ONE LAB. NATIONWIDE.

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

Appleviations and	d Definitions
MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier Description

В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.



















ACCREDITATIONS & LOCATIONS





State Accreditations

Alabama	40660
Alaska	17-026
Arizona	AZ0612
Arkansas	88-0469
California	2932
Colorado	TN00003
Connecticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia ¹	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky 16	90010
Kentucky ²	16
Louisiana	Al30792
Louisiana ¹	LA180010
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086

Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey-NELAP	TN002
New Mexico ¹	n/a
New York	11742
North Carolina	Env375
North Carolina ¹	DW21704
North Carolina ³	41
North Dakota	R-140
Ohio-VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	LAO00356
South Carolina	84004
South Dakota	n/a
Tennessee 1 4	2006
Texas	T104704245-18-15
Texas ⁵	LAB0152
Utah	TN00003
Vermont	VT2006
Virginia	460132
Washington	C847
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

Third Party Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 ⁵	1461.02
Canada	1461.01
EPA-Crypto	TN00003

AIHA-LAP,LLC EMLAP	100789
DOD	1461.01
USDA	P330-15-00234

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



















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HilCorp-Famington, NM 382 Road 3 ©0 Aztec, NM 87401				P. C							Some	iner / Preservative				0	nalytical*
Report to: TENNIER DEAL Project Description:			khoekstra Chilcorp.com Email To: jdealehilcorp.com City/State				RO, GEO, MED									12065 Lebanon Rd Mount Juliet, TN 3712 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	r for Testing & Innovatio
Phone: 505-486-9543 Client Project # Fax: Collected by (print): Site/Facility ID #			Collected: Lab Project #													J062	9039
Collected by (signature): Kut Hubble nmediately acked on Ice N y X	Rush? (Lab MUST Be Notified) Same Day Five Day Next Day 5 Day (Rad Only) Two Day 10 Day (Rad Only) Three Day			Quote # Date Results Needed No.			8015-A	X 8021	RIDE							Acctnum: HILC Template: Prelogin: TSR:	ORANM
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	of Cntrs	TPH	BTE	CHIO							PB: Shipped Via:	Sample # (lab only
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