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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Hilcorp Energy Company	OGRID 372171
Contact Name Lindsay Dumas	Contact Telephone 832-839-4585
Contact email Ldumas@hilcorp.com	Incident # *(assigned by OCD)* nRM2026629853
Contact mailing address 1111 Travis St. Houston, TX 77002	

Location of Release Source

Latitude 36.57084 Longitude -107.44346
(NAD 83 in decimal degrees to 5 decimal places)

Site Name San Juan 28-6 #168E	Site Type Gas well
Date Release Discovered 8/24/2020	API# *(if applicable)* 30-039-30043

Unit Letter	Section	Township	Range	County
L	14	27N	06W	Rio Arriba

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 24 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 12 bbls	Volume Recovered (bbls) 0 bbls
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
A corroded hole developed in the side of a condensate tank causing the release.

Incident ID	
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?	>51' (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 vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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 wells.
☒ 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

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.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: _Lindsay Dumas_____ Title: _Environmental Specialist_____

Signature:_____ Date: _10/19/2020_____

email: _LDUMAS@hilcorp.com_____ Telephone: _832-839-4585_____

OCD Only

Received by: _____ Date**:** _____

Incident ID	
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.

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Lindsay Dumas_____ Title: Environmental Specialist_____

Signature: _____ Date: _10/19/20_____

email: LDUMAS@hilcorp.com_____ Telephone: _832-839-4585_____

OCD Only

Received by: _____ Date**:** _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date**:** 06/15/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

On 8/24/2020 at 11:30am, Hilcorp Energy discovered a release on theSan Juan 28-6 #168E, API# 3003930043, 36.5708771, -107.4438782, L-14-27N-06W. The release consisted of 24BBL of produced water and 12BBL of condensate and was the result of a corrosion hole that developed in the side of a condensate tank. The release was contained within the berm and affected the soil immediately adjacent to the tank.

Hilcorp excavated approximately 300 cubic yards of contaminated soil during the remediation project. The contaminated soil was hauled to IEI landfarm. Confirmation sampling was conducted on 9/18/20, BLM was onsite. Please find attached the email notification for confirmation sampling. All soil samples taken during confirmation sampling were below NMOCD closure criteria per 19.15.29.12 Table I. The excavation was backfilled on 9/30/20.

Lindsay Dumas

From:	Clayton Hamilton
Sent:	Monday, August 24, 2020 3:15 PM
To:	cory.smith@state.nm.us; aadeloye@blm.gov; Matt Henderson; Brian Roth; Lindsay Dumas; Trevor Coleman; Lee Murphy
Subject:	Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

On 8/24/2020 at 11:30am, Hilcorp Energy discovered a release on the San Juan 28-6 #168E, API# 3003930043, 36.5708771, -107.4438782, L-14-27N-06W. The release consisted of 24BBL of produced water and 12BBL of condensate and was the result of a corrosion hole that developed in the side of a condensate tank. The release was contained within the berm and affected the soil immediately adjacent to the tank.

Hilcorp Environmental will submit an Initial C-141 within 15 days, and follow up with spill assessment.

Clayton Hamilton
Area 13 Production Foreman
Hilcorp Energy Company – San Juan East
Office – 505-324-5137
Cell – 505-419-3455

"Looking back is a bad habit" ~Rooster Cogburn

San Juan 28-6 168E

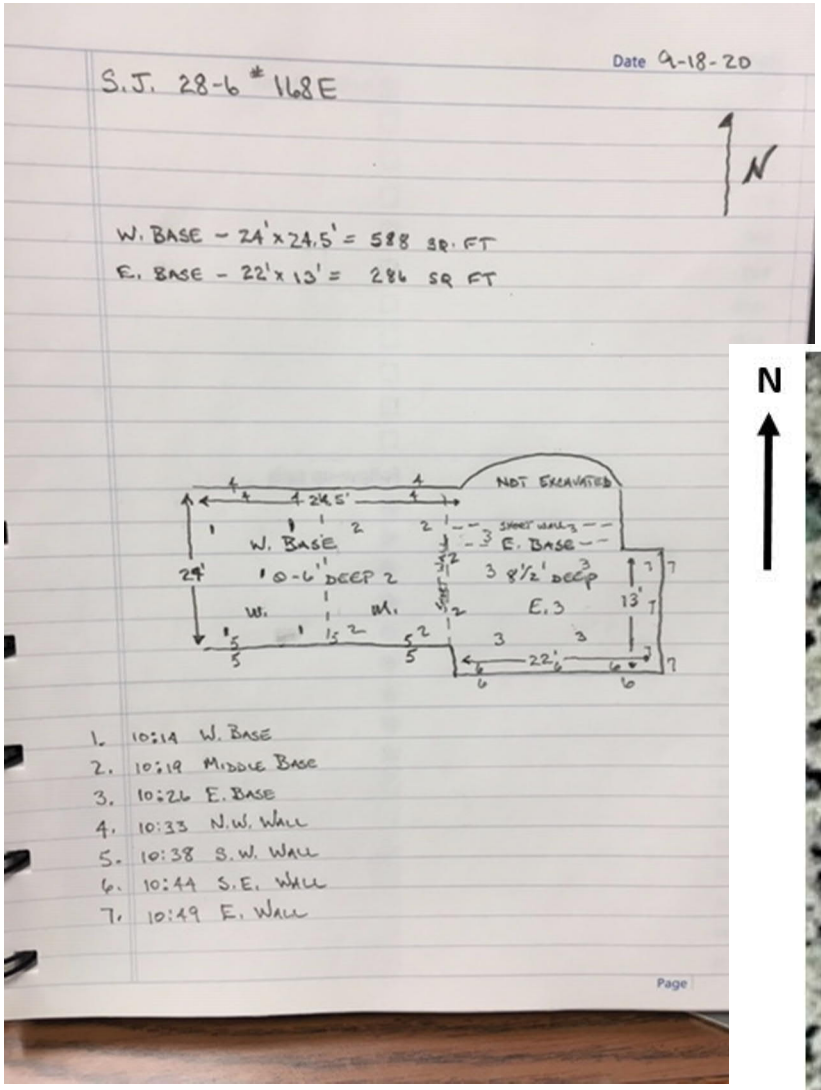
Remediation Project Update

Scaled Map

★ Release Source

Field Data

Confirmation Sampling 9/18/2020



Data table of soil contaminant concentration data

SOIL ANALYTICAL RESULTS
SJ 28-6 #168E
HILCORP ENERGY - L48 WEST

Soil Sample Identification	Sample Date	Chloride (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)
WEST BASE	9/18/2020	0	0	0	0	0	0.00	0.203	9.650	10	4.00	13.9
MIDDLE BASE	9/18/2020	29	0.00053	0	0	0	0.00	0	18	18	10	28.5
EAST BASE	9/18/2020	0	0.000894	0.0577	0.144	6.78	6.98	186	202	388	0	388.0
NORTHWEST WALL	9/18/2020	0	0.000881	0	0	0.00154	0.00	0	0	0	0	-
SOUTHWEST WALL	9/18/2020	0	0.000615	0	0	0.00185	0.00	0	0	0	0	-
SOUTHEAST WALL	9/18/2020	58	0.000513	0	0	0	0.00	0	0	0	0	-
EAST WALL	9/18/2020	39	0.000635	0	0	0	0.00	0	0	0	6.59	6.6
NMOCD Standards		**10,000**	**10**				**50**			**1000**		**2,500.0**

Depth to water determination

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	SJ 04031 POD1	4	4	2	12	27N	06W	284287	4052043

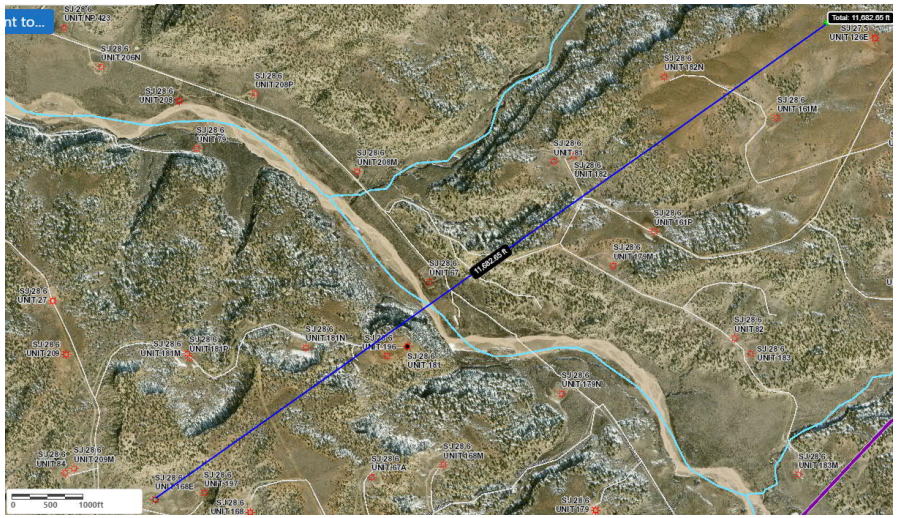
Driller License:	717	**Driller Company:**	WESTERN WATER WELLS		
Driller Name:	TERRY HOOD				
Drill Start Date:	04/28/2013	**Drill Finish Date:**	05/01/2013	**Plug Date:**	
Log File Date:	05/06/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	6 GPM
Casing Size:	5.00	**Depth Well:**	515 feet	**Depth Water:**	224 feet

Water Bearing Stratifications:	Top	Bottom	Description
	220	260	Other/Unknown
	305	350	Sandstone/Gravel/Conglomerate
	440	505	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	435	515

8/31/20 7:15 AM POINT OF DIVERSION SUMMARY

N

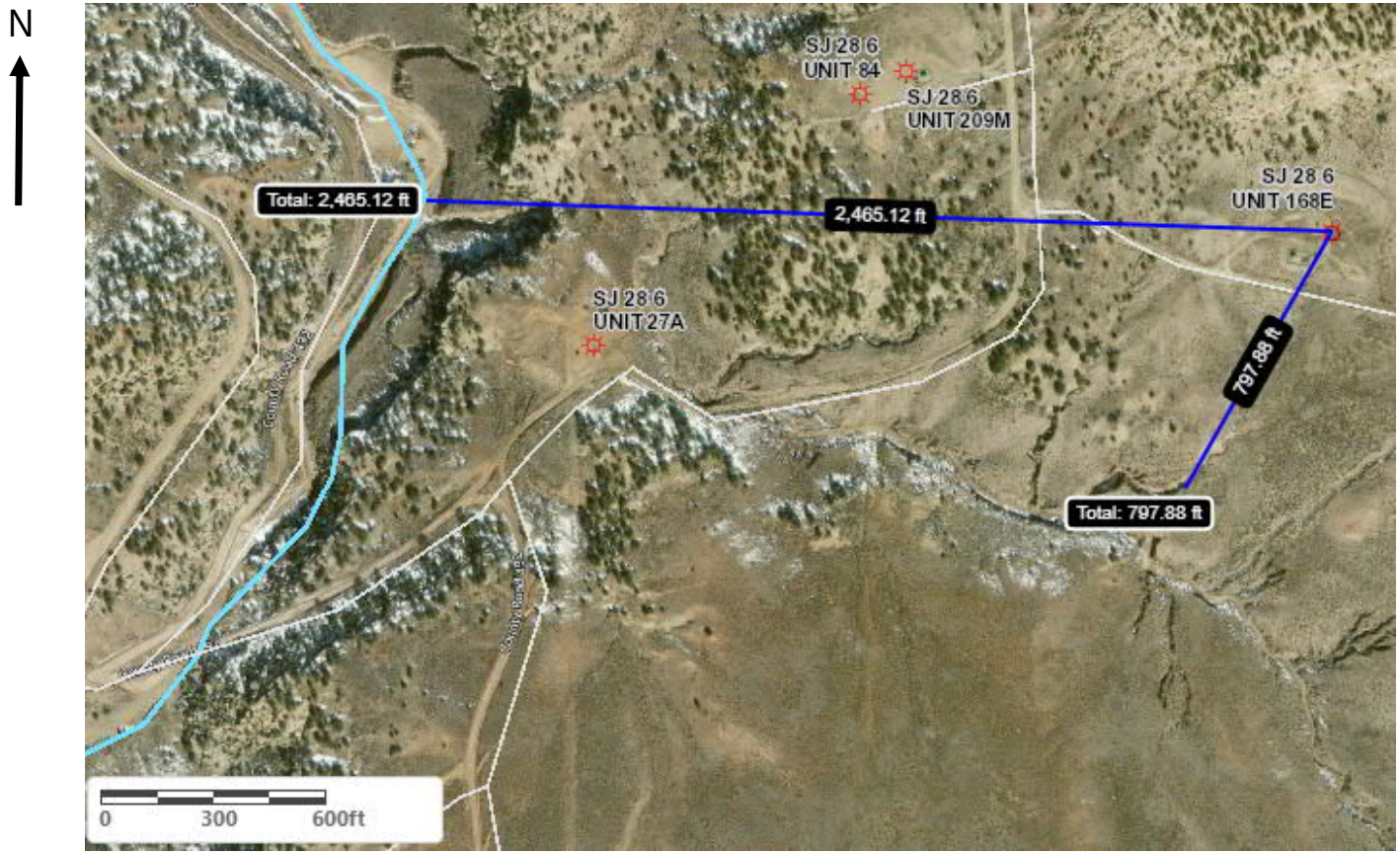


San Juan 28-6 #168E elevation: 6481’
POD SJ 03043 elevation: 6653’

Water depth: 6429’

<u>San Juan 28-6 #168E is between 51-100’ to ground water</u>

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



Photographs – 9/18/20 Sampling Event

East Base

East Wall

Photographs – 9/18/20 Sampling Event

Middle Base

Northwest Wall

Photographs – 9/18/20 Sampling Event

Southeast Wall

Southwest Wall

West Base

Pace Analytical®
National Center for Testing & Innovation

ANALYTICAL REPORT

September 24, 2020

HilCorp-Farmington, NM

Sample Delivery Group:	L1264042
Samples Received:	09/19/2020
Project Number:	
Description:	San Juan 28-6 Unit 168E
Site:	SAN JUAN 28-6 UNIT 168E
Report To:	Lidsay Dumas 382 Road 3100 Aztec, NM 87410

Entire Report Reviewed By:

Olivia Studebaker
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

TABLE OF CONTENTS

WEST BASE L1264042-01 Solid

Collected by: Kurt Hoekstra | Collected date/time: 09/18/20 10:14 | Received date/time: 09/19/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1547597	1	09/23/20 15:18	09/23/20 15:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1547530	1	09/23/20 01:28	09/23/20 08:37	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1546623	1	09/21/20 09:26	09/21/20 15:39	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1546243	1	09/21/20 09:22	09/22/20 00:41	TJD	Mt. Juliet, TN

MIDDLE BASE L1264042-02 Solid

Collected by: Kurt Hoekstra | Collected date/time: 09/18/20 10:19 | Received date/time: 09/19/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1547597	1	09/23/20 15:18	09/23/20 15:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1547530	1	09/23/20 01:28	09/23/20 08:57	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1546623	1	09/21/20 09:26	09/21/20 16:02	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1546243	1	09/21/20 09:22	09/22/20 00:54	TJD	Mt. Juliet, TN

EAST BASE L1264042-03 Solid

Collected by: Kurt Hoekstra | Collected date/time: 09/18/20 10:26 | Received date/time: 09/19/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1547597	1	09/23/20 15:18	09/23/20 15:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1547530	1	09/23/20 01:28	09/23/20 09:18	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1547345	25	09/21/20 09:26	09/23/20 05:28	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021	WG1546623	1	09/21/20 09:26	09/21/20 16:24	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1546243	1	09/21/20 09:22	09/21/20 23:51	TJD	Mt. Juliet, TN

NORTH WEST WALL L1264042-04 Solid

Collected by: Kurt Hoekstra | Collected date/time: 09/18/20 10:33 | Received date/time: 09/19/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1547597	1	09/23/20 15:18	09/23/20 15:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1547530	1	09/23/20 01:28	09/23/20 09:38	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1547345	1	09/21/20 09:26	09/23/20 05:49	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1546243	1	09/21/20 09:22	09/22/20 00:03	TJD	Mt. Juliet, TN

SOUTH WEST WALL L1264042-05 Solid

Collected by: Kurt Hoekstra | Collected date/time: 09/18/20 10:38 | Received date/time: 09/19/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1547597	1	09/23/20 15:18	09/23/20 15:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1547530	1	09/23/20 01:28	09/23/20 10:40	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1547345	1	09/21/20 09:26	09/23/20 06:09	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1546243	1	09/21/20 09:22	09/22/20 00:29	TJD	Mt. Juliet, TN

SOUTH EAST WALL L1264042-06 Solid

Collected by: Kurt Hoekstra | Collected date/time: 09/18/20 10:44 | Received date/time: 09/19/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1547597	1	09/23/20 15:18	09/23/20 15:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1547530	1	09/23/20 01:28	09/23/20 11:01	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1547345	1	09/21/20 09:26	09/23/20 06:30	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1546243	1	09/21/20 09:22	09/22/20 00:16	TJD	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

SAMPLE SUMMARY

EAST WALL L1264042-07 Solid

Collected by	Collected date/time	Received date/time
Kurt Hoekstra	09/18/20 10:49	09/19/20 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1547597	1	09/23/20 15:18	09/23/20 15:27	KBC	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1547530	1	09/23/20 01:28	09/23/20 11:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015/8021	WG1546623	1	09/21/20 09:26	09/21/20 17:53	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021	WG1547345	1	09/21/20 09:26	09/23/20 06:51	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1546243	1	09/21/20 09:22	09/22/20 01:07	TJD	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.

Olivia Studebaker
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.9		1	09/23/2020 15:27	WG1547597

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	ND		20.0	1	09/23/2020 08:37	WG1547530

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.000500	1	09/21/2020 15:39	WG1546623
Toluene	ND		0.00500	1	09/21/2020 15:39	WG1546623
Ethylbenzene	ND		0.000500	1	09/21/2020 15:39	WG1546623
Total Xylene	ND		0.00150	1	09/21/2020 15:39	WG1546623
TPH (GC/FID) Low Fraction	0.203		0.100	1	09/21/2020 15:39	WG1546623
(S) a,a,a-Trifluorotoluene(FID)	*97.5*		*77.0-120*		*09/21/2020 15:39*	WG1546623
(S) a,a,a-Trifluorotoluene(PID)	*98.6*		*72.0-128*		*09/21/2020 15:39*	WG1546623

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	9.65		4.00	1	09/22/2020 00:41	WG1546243
C28-C40 Oil Range	4.00		4.00	1	09/22/2020 00:41	WG1546243
(S) o-Terphenyl	*74.6*		*18.0-148*		*09/22/2020 00:41*	WG1546243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	09/23/2020 15:27	WG1547597

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	29.2		20.0	1	09/23/2020 08:57	WG1547530

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.000530		0.000500	1	09/21/2020 16:02	WG1546623
Toluene	ND		0.00500	1	09/21/2020 16:02	WG1546623
Ethylbenzene	ND		0.000500	1	09/21/2020 16:02	WG1546623
Total Xylene	ND		0.00150	1	09/21/2020 16:02	WG1546623
TPH (GC/FID) Low Fraction	0.369		0.100	1	09/21/2020 16:02	WG1546623
(S) a,a,a-Trifluorotoluene(FID)	*97.7*		*77.0-120*		*09/21/2020 16:02*	WG1546623
(S) a,a,a-Trifluorotoluene(PID)	*98.4*		*72.0-128*		*09/21/2020 16:02*	WG1546623

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	18.1		4.00	1	09/22/2020 00:54	WG1546243
C28-C40 Oil Range	10.0		4.00	1	09/22/2020 00:54	WG1546243
(S) o-Terphenyl	*90.3*		*18.0-148*		*09/22/2020 00:54*	WG1546243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.7		1	09/23/2020 15:27	WG1547597

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	ND		20.0	1	09/23/2020 09:18	WG1547530

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.000894		0.000500	1	09/21/2020 16:24	WG1546623
Toluene	0.0577		0.00500	1	09/21/2020 16:24	WG1546623
Ethylbenzene	0.144		0.000500	1	09/21/2020 16:24	WG1546623
Total Xylene	6.78		0.0375	25	09/23/2020 05:28	WG1547345
TPH (GC/FID) Low Fraction	186		2.50	25	09/23/2020 05:28	WG1547345
(S) a,a,a-Trifluorotoluene(FID)	*84.3*		*77.0-120*		*09/21/2020 16:24*	WG1546623
(S) a,a,a-Trifluorotoluene(FID)	*90.0*		*77.0-120*		*09/23/2020 05:28*	WG1547345
(S) a,a,a-Trifluorotoluene(PID)	*97.4*		*72.0-128*		*09/21/2020 16:24*	WG1546623
(S) a,a,a-Trifluorotoluene(PID)	*103*		*72.0-128*		*09/23/2020 05:28*	WG1547345

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	202		4.00	1	09/21/2020 23:51	WG1546243
C28-C40 Oil Range	ND		4.00	1	09/21/2020 23:51	WG1546243
(S) o-Terphenyl	*61.5*		*18.0-148*		*09/21/2020 23:51*	WG1546243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.7		1	09/23/2020 15:27	WG1547597

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	ND		20.0	1	09/23/2020 09:38	WG1547530

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.000881		0.000500	1	09/23/2020 05:49	WG1547345
Toluene	ND		0.00500	1	09/23/2020 05:49	WG1547345
Ethylbenzene	ND		0.000500	1	09/23/2020 05:49	WG1547345
Total Xylene	0.00154		0.00150	1	09/23/2020 05:49	WG1547345
TPH (GC/FID) Low Fraction	ND		0.100	1	09/23/2020 05:49	WG1547345
(S) a,a,a-Trifluorotoluene(FID)	*89.5*		*77.0-120*		*09/23/2020 05:49*	WG1547345
(S) a,a,a-Trifluorotoluene(PID)	*102*		*72.0-128*		*09/23/2020 05:49*	WG1547345

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.00	1	09/22/2020 00:03	WG1546243
C28-C40 Oil Range	ND		4.00	1	09/22/2020 00:03	WG1546243
(S) o-Terphenyl	*87.2*		*18.0-148*		*09/22/2020 00:03*	WG1546243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	09/23/2020 15:27	WG1547597

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	ND		20.0	1	09/23/2020 10:40	WG1547530

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.000615		0.000500	1	09/23/2020 06:09	WG1547345
Toluene	ND		0.00500	1	09/23/2020 06:09	WG1547345
Ethylbenzene	ND		0.000500	1	09/23/2020 06:09	WG1547345
Total Xylene	0.00185		0.00150	1	09/23/2020 06:09	WG1547345
TPH (GC/FID) Low Fraction	ND		0.100	1	09/23/2020 06:09	WG1547345
(S) a,a,a-Trifluorotoluene(FID)	*89.2*		*77.0-120*		*09/23/2020 06:09*	WG1547345
(S) a,a,a-Trifluorotoluene(PID)	*102*		*72.0-128*		*09/23/2020 06:09*	WG1547345

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.00	1	09/22/2020 00:29	WG1546243
C28-C40 Oil Range	ND		4.00	1	09/22/2020 00:29	WG1546243
(S) o-Terphenyl	*78.6*		*18.0-148*		*09/22/2020 00:29*	WG1546243

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.8		1	09/23/2020 15:27	WG1547597

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	58.0		20.0	1	09/23/2020 11:01	WG1547530

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.000513		0.000500	1	09/23/2020 06:30	WG1547345
Toluene	ND		0.00500	1	09/23/2020 06:30	WG1547345
Ethylbenzene	ND		0.000500	1	09/23/2020 06:30	WG1547345
Total Xylene	ND		0.00150	1	09/23/2020 06:30	WG1547345
TPH (GC/FID) Low Fraction	ND		0.100	1	09/23/2020 06:30	WG1547345
(S) a,a,a-Trifluorotoluene(FID)	*89.8*		*77.0-120*		*09/23/2020 06:30*	WG1547345
(S) a,a,a-Trifluorotoluene(PID)	*100*		*72.0-128*		*09/23/2020 06:30*	WG1547345

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.00	1	09/22/2020 00:16	WG1546243
C28-C40 Oil Range	ND		4.00	1	09/22/2020 00:16	WG1546243
(S) o-Terphenyl	*59.5*		*18.0-148*		*09/22/2020 00:16*	WG1546243

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	09/23/2020 15:27	WG1547597

Wet Chemistry by Method 300.0

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	39.1		20.0	1	09/23/2020 11:21	WG1547530

Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	0.000635		0.000500	1	09/23/2020 06:51	WG1547345
Toluene	ND		0.00500	1	09/23/2020 06:51	WG1547345
Ethylbenzene	ND		0.000500	1	09/21/2020 17:53	WG1546623
Total Xylene	ND		0.00150	1	09/23/2020 06:51	WG1547345
TPH (GC/FID) Low Fraction	ND		0.100	1	09/21/2020 17:53	WG1546623
(S) a,a,a-Trifluorotoluene(FID)	*97.4*		*77.0-120*		*09/21/2020 17:53*	WG1546623
(S) a,a,a-Trifluorotoluene(FID)	*89.6*		*77.0-120*		*09/23/2020 06:51*	WG1547345
(S) a,a,a-Trifluorotoluene(PID)	*98.6*		*72.0-128*		*09/21/2020 17:53*	WG1546623
(S) a,a,a-Trifluorotoluene(PID)	*99.6*		*72.0-128*		*09/23/2020 06:51*	WG1547345

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.00	1	09/22/2020 01:07	WG1546243
C28-C40 Oil Range	6.59		4.00	1	09/22/2020 01:07	WG1546243
(S) o-Terphenyl	*73.3*		*18.0-148*		*09/22/2020 01:07*	WG1546243

Method Blank (MB)

(MB) R3573917-1 09/23/20 15:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1264042-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1264042-05 09/23/20 15:27 • (DUP) R3573917-3 09/23/20 15:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.7	92.5	1	0.146		10

Laboratory Control Sample (LCS)

(LCS) R3573917-2 09/23/20 15:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3573555-1 09/23/20 02:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

L1262636-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1262636-01 09/23/20 04:07 • (DUP) R3573555-3 09/23/20 04:27

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	ND	ND	1	0.000		20

L1264042-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1264042-07 09/23/20 11:21 • (DUP) R3573555-6 09/23/20 11:41

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	39.1	41.8	1	6.67		20

Laboratory Control Sample (LCS)

(LCS) R3573555-2 09/23/20 02:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	208	104	90.0-110	

L1262636-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1262636-03 09/23/20 05:08 • (MS) R3573555-4 09/23/20 05:28 • (MSD) R3573555-5 09/23/20 05:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	ND	507	504	101	101	1	80.0-120			0.469	20

Method Blank (MB)

(MB) R3573184-3 09/21/20 13:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	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)	*98.9*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*101*			*72.0-128*

Laboratory Control Sample (LCS)

(LCS) R3573184-1 09/21/20 11:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0528	106	76.0-121	
Toluene	0.0500	0.0542	108	80.0-120	
Ethylbenzene	0.0500	0.0544	109	80.0-124	
Total Xylene	0.150	0.161	107	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			*98.5*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*99.2*	*72.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3573184-2 09/21/20 12:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	6.40	116	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*105*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*107*	*72.0-128*	

Method Blank (MB)

(MB) R3573383-3 09/23/20 00:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	U		0.000150	0.00500
Ethylbenzene	U		0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	0.0343	J	0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*93.4*			*77.0-120*
(S) a,a,a-Trifluorotoluene(PID)	*106*			*72.0-128*

Laboratory Control Sample (LCS)

(LCS) R3573383-1 09/22/20 23:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0432	86.4	76.0-121	
Toluene	0.0500	0.0509	102	80.0-120	
Ethylbenzene	0.0500	0.0559	112	80.0-124	
Total Xylene	0.150	0.170	113	37.0-160	
(S) a,a,a-Trifluorotoluene(FID)			*92.6*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*100*	*72.0-128*	

Laboratory Control Sample (LCS)

(LCS) R3573383-2 09/22/20 23:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.59	102	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			*107*	*77.0-120*	
(S) a,a,a-Trifluorotoluene(PID)			*106*	*72.0-128*	

Method Blank (MB)

(MB) R3572902-1 09/21/20 22:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	*83.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3572902-2 09/21/20 22:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	36.0	72.0	50.0-150	
(S) o-Terphenyl			*58.0*	*18.0-148*	

L1262048-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1262048-01 09/22/20 01:32 • (MS) R3572902-3 09/22/20 01:45 • (MSD) R3572902-4 09/22/20 01:58

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	47.3	ND	26.4	34.1	55.8	72.4	1	50.0-150		J3	25.5	20
(S) o-Terphenyl					*41.4*	*50.5*		*18.0-148*				

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.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and 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
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T104704245-18-15
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

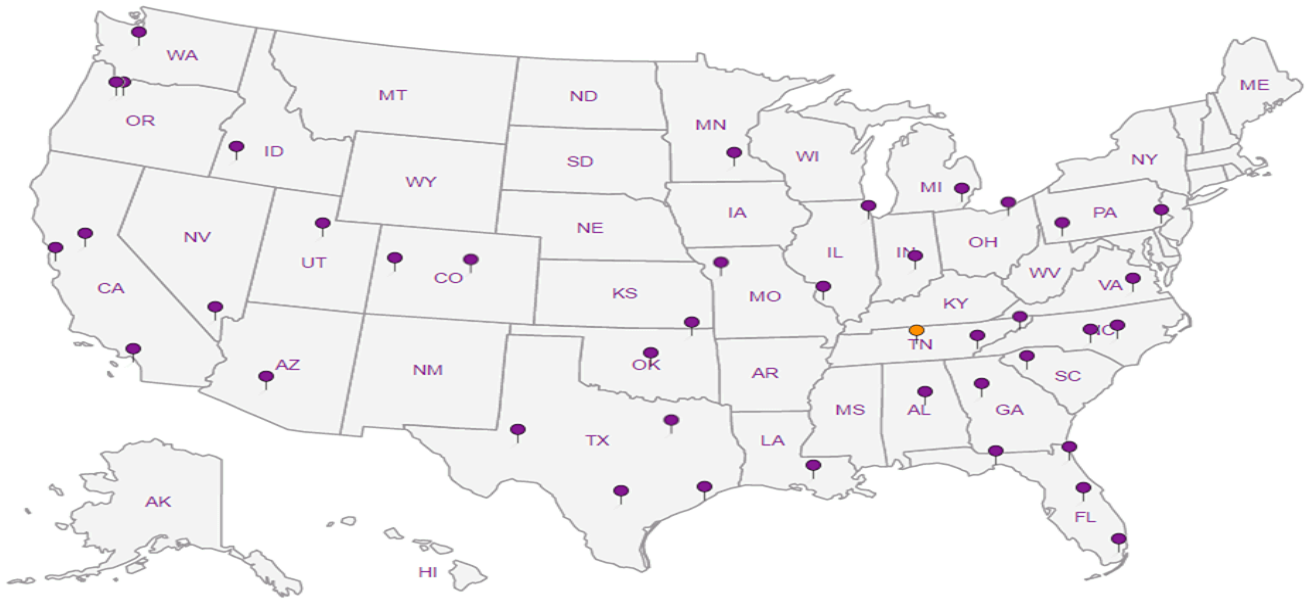
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[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.



Billing Information:
ATTN: Lindsay Dumas

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical® National Center for Testing & Innovation

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Mount Juliet, TN 37122
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Report to: Lindsay Dumas

Email To: ldumas@hilcorp.com; kboekstra@hilcorp.com

Project Description: San Juan 28-6 Unit 168E

City/State Collected: Aztec, NM

Phone: 281-794-9159
Fax:

Client Project #

Lab Project #

L # L264042

A084

Collected by (print): K Hoekstra

Site/Facility ID # San Juan 28-6 Unit 168E

P.O. #

Acctnum: HILCORANM
Template:
Prelogin:
TSR:
PB:

Collected by (signature): Kurt Hoekstra

Immediately Packed 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)
X Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TPH - 8015 - DRO, GRO, MRO	BTEX 8021	Chloride 300.0	Remarks	Sample # (lab only)
West Base	Comp	SS		9-18	10:14	1	X	X	X		-01
Middle Base	Comp	SS		9-18	10:19	1	X	X	X		-02
East Base	Comp	SS		9-18	10:26	1	X	X	X		-03
North West Wall	Comp	SS		9-18	10:33	1	X	X	X		-04
South West Wall	Comp	SS		9-18	10:38	1	X	X	X		-05
South East Wall	Comp	SS		9-18	10:44	1	X	X	X		-06
East Wall	Comp	SS		9-18	10:49	1	X	X	X		-07

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Sample Receipt Checklist
COC Seal Present/Intact: NP ___Y ___N
COC Signed/Accurate: ___Y ___N
Bottles arrive intact: ___Y ___N
Correct bottles used: ___Y ___N
Sufficient volume sent: ___Y ___N
If Applicable
VOA Zero Headspace: ___Y ___N
Preservation Correct/Checked: ___Y ___N

RAD SCREEN: <0.5 mR/hr

Samples returned via:
___ UPS ___ FedEx ___ Courier ___ _____

Tracking # 9186 2496 0905

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Kurt Hoekstra	9-18-20	1:50			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 3.4, 1=3.5 7	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/19/20 Time: 900	Hold: / Condition: NCF / OK

Lindsay Dumas

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Wednesday, September 16, 2020 3:24 PM
To: Lindsay Dumas
Subject: RE: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 # 168E – Spill Report

Lindsay,

Please keep in mind that initial C-141s are required to be sent to the OCD within 15 days of the release date.

Thank you for the notice of sampling at the SJ 28-6 #168E Friday, September, 18 at 10:00AM. If an OCD representative is not onsite please procced to sample per 19.15.29 NMAC. If the date or time changes for any reason please contact the OCD as soon as possible.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Lindsay Dumas <ldumas@hilcorp.com>
Sent: Wednesday, September 16, 2020 2:20 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: [EXT] RE: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

It was submitted today. PO# 5OJNB-200916-C-1410

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Wednesday, September 16, 2020 3:19 PM
To: Lindsay Dumas <ldumas@hilcorp.com>
Subject: RE: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

Lindsey,

Did you submit an initial C-141? If so when? Please also provide the PO# so I can look it up

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Lindsay Dumas <ldumas@hilcorp.com>
Sent: Wednesday, September 16, 2020 2:17 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Subject: [EXT] RE: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

I haven't received an incident# yet.

Kind regards,

Lindsay Dumas
Environmental Specialist
Hilcorp Energy – L48 West
Office: 832-839-4585
Mobile: 281-794-9159

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Wednesday, September 16, 2020 2:47 PM
To: Lindsay Dumas <ldumas@hilcorp.com>; Adeloye, Abiodun A <aadeloye@blm.gov>; Kurt Hoekstra <khoekstra@hilcorp.com>
Subject: RE: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

Lindsay,

What is the incident# associated with the release?

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Lindsay Dumas <ldumas@hilcorp.com>
Sent: Wednesday, September 16, 2020 1:31 PM
To: Adeloye, Abiodun A <aadeloye@blm.gov>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Kurt Hoekstra <khoekstra@hilcorp.com>
Subject: [EXT] RE: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

Hi Emmanuel – Great! Kurt will be onsite taking the samples. Please let me know if you have any questions. Thank you!

Kind regards,

Lindsay Dumas
Environmental Specialist
Hilcorp Energy – L48 West
Office: 832-839-4585
Mobile: 281-794-9159

From: Adeloye, Abiodun A [mailto:aadeloye@blm.gov]
Sent: Wednesday, September 16, 2020 1:42 PM
To: Lindsay Dumas <ldumas@hilcorp.com>; cory.smith@state.nm.us
Subject: Re: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

Hi Lindsay, I am available that day.
Thank you

Abiodun Adeloye (Emmanuel), NRS
Bureau of Land Management
Farmington Field Office
6251 College Blvd., Suite A
Farmington, NM 87402
Office Phone: 505-564-7665
Cell Phone: 505-635-0984

From: Lindsay Dumas <ldumas@hilcorp.com>
Sent: Wednesday, September 16, 2020 12:35 PM
To: cory.smith@state.nm.us <cory.smith@state.nm.us>; Adeloye, Abiodun A <aadeloye@blm.gov>
Subject: [EXTERNAL] RE: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

Cory & Emmanuel – Hilcorp would like to grab confirmation sampling on this release on Friday, September, 18 at 10:00AM. Please let me know if this time works for yal, if not we can schedule it for next week. Thank you!

Kind regards,

Lindsay Dumas
Environmental Specialist
Hilcorp Energy – L48 West
Office: 832-839-4585

Mobile: 281-794-9159

From: Clayton Hamilton
Sent: Monday, August 24, 2020 3:15 PM
To: cory.smith@state.nm.us; aadeloye@blm.gov; Matt Henderson <mhenderson@hilcorp.com>; Brian Roth <broth@hilcorp.com>; Lindsay Dumas <ldumas@hilcorp.com>; Trevor Coleman <tcoleman@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>
Subject: Agency Reportable – OPS – SJE – Area 13 – Run 1300 – SJ 28-6 #168E – Spill Report

On 8/24/2020 at 11:30am, Hilcorp Energy discovered a release on the San Juan 28-6 #168E, API# 3003930043, 36.5708771, -107.4438782, L-14-27N-06W. The release consisted of 24BBL of produced water and 12BBL of condensate and was the result of a corrosion hole that developed in the side of a condensate tank. The release was contained within the berm and affected the soil immediately adjacent to the tank.

Hilcorp Environmental will submit an Initial C-141 within 15 days, and follow up with spill assessment.

Clayton Hamilton
Area 13 Production Foreman
Hilcorp Energy Company – San Juan East
Office – 505-324-5137
Cell – 505-419-3455

"Looking back is a bad habit" ~Rooster Cogburn

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 10732

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 10732
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/15/2022