<u>District I</u> 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 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						
			Resp	onsible P	arty	
Responsible	Party Hilcor	p Energy		OGR	ID 372171	
Contact Nan	ne Kate Kau	fman		Conta	act Telephone 346-237-2275	
Contact ema	il kkaufman	@hilcorp.com		Incide	ent # (assigned by OCD)	
Contact mail	ing address	382 CR 3100 Azte	ec NM 87410			
			Location	of Releas	se Source	
Latitude 36.5	982819		(NAD 83 in dec	Longiti cimal degrees to 5	tude -107.5212479	
Site Name Sa	n Juan 28-7	Unit 183M		Site T	Type Well Site	
Date Release	Discovered	01/15/2019		API#	(if applicable) 30-039-25660	
Unit Letter	Section	Township	Township Range County			
0	01	27N	07W	Rio Arriba		
Surface Owne		Federal Tr	Nature and	d Volume	of Release pecific justification for the volumes provided below)	
Crude Oi		Volume Release		•	Volume Recovered (bbls) 0	
□ Produced	Water	Volume Release	d (bbls) 7		Volume Recovered (bbls) 0	
		Is the concentrat	ion of dissolved c >10,000 mg/l?	hloride in the	☐ Yes ☐ No	
Condensa	ite	Volume Release			Volume Recovered (bbls)	
☐ Natural C	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)	
Other (describe) Volume/Weight Released (provide unit			Released (provide	e units)	Volume/Weight Recovered (provide units)	
	m of tank du				te are estimated to be 10 feet wide and 25 -30 feet across. Had ned on the 15 th noticed	

Foreceived by OCD: 11/14/2023	1:34: Annual of New Mexico
Page 6	Oil Conservation Division

Incident ID	Page 2 of 64
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 Attachm	ent Checklist: Each of the follo	owing items must be inclu	ded in the closure report.
☐ A scaled site and samp	oling diagram as described in 19.	15.29.11 NMAC	
Photographs of the remust be notified 2 days pr		photos of the liner integri	ty if applicable (Note: appropriate OCD District office
☐ Laboratory analyses o	f final sampling (Note: appropria	te ODC District office mu	st be notified 2 days prior to final sampling)
Description of remedi	ation activities		
and regulations all operators may endanger public health should their operations have human health or the enviror compliance with any other restore, reclaim, and re-veg accordance with 19.15.29.1	s are required to report and/or file or the environment. The accepta e failed to adequately investigate ment. In addition, OCD accepta federal, state, or local laws and/or etate the impacted surface area to 3 NMAC including notification t	e certain release notification ance of a C-141 report by and remediate contaminations of a C-141 report does regulations. The response the conditions that existe to the OCD when reclamate	knowledge and understand that pursuant to OCD rules ons and perform corrective actions for releases which the OCD does not relieve the operator of liability ion that pose a threat to groundwater, surface water, is not relieve the operator of responsibility for sible party acknowledges they must substantially diprior to the release or their final land use in the cities and re-vegetation are complete.
OCD Only			
Received by:		Date:	
remediate contamination th	CD does not relieve the responsible at poses a threat to groundwater, so my other federal, state, or local law	surface water, human healt	their operations have failed to adequately investigate and h, or the environment nor does not relieve the responsible
Closure Approved by:	Nelson Velez	Date:	03/04/2024
Printed Name:	Nelson Velez Nelson Velez		Environmental Specialist - Adv



1115 Welsh Ave, Ste. B College Station, Texas 77840 979.485.9094 teamtimberwolf.com

November 13, 2023

Mr. Nelson Velez
Environmental Specialist – Advanced
New Mexico Oil Conservation Division – District 3
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Closure Report

San Juan 28-7 Unit 183M Hilcorp Energy Company

Rio Arriba County, New Mexico Incident ID No.: NCS1901627746

Dear Mr. Velez:

On behalf of Hilcorp Energy Company (Hilcorp), Timberwolf Environmental, LLC (Timberwolf) presents this closure report to document remediation activities conducted at the San Juan 28-7 Unit 183M (Site) and to present confirmation sample methodology and laboratory results which confirm Site soils have met regulatory closure criteria. The Site is located approximately 27 miles east-southeast of Bloomfield, in Rio Arriba County, New Mexico (Figures 1 – 3), on federal land managed by the Bureau of Land Management (BLM).

Site Background

On January 15, 2019, Hilcorp personnel discovered a release at the Site; corrosion near the base of a former oil tank resulted in the release of approximately 150 barrels (bbls) of oil and 7 bbls of produced water. All released fluid was contained by the berm. Standing fluid was recovered; the tank was removed from service and disposed of off-site. The initial investigation identified the area of the former tank battery as the primary area of concern (AOC).

Hilcorp constructed a new tank battery northeast of the original tank battery. Tanks and interconnective piping were removed from the original tank battery.

Site Investigation

In March 2019, a soil investigation revealed that the constituents of concern (COC) were: total BTEX (i.e., benzene, toluene, ethylbenzene, and xylenes) and total petroleum hydrocarbons (TPH). Impacted soil was horizontally and vertically delineated; the vertical extent of impacted soil was approximately 27 feet (ft) below ground surface (bgs). Additionally, the soil investigation revealed that subsurface soil is unconsolidated to a depth of approximately 10 ft bgs which is underlain by sandstone. Findings of

the investigation are documented in Timberwolf's report entitled: *Site Characterization Report and Remedial Action Plan*, dated 05/21/19.

Corrective Actions

To remediate hydrocarbon-impacted soil, a soil vapor extraction (SVE) system was designed, constructed, and installed at the Site. The SVE system is comprised of eleven SVE wells, four vent wells, and an SVE trailer. Four SVE wells were completed in the unconsolidated zone (i.e., 0-9.5 ft); seven SVE wells were completed in the consolidated zone (i.e., 9.5-30 ft). The four vents were additionally completed in the consolidated zone. SVE well construction is detailed in Timberwolf's report entitled: *Status Report – 4th Quarter 2019*, dated 01/31/20. The SVE wells and vent locations are shown in Figure 4.

The SVE trailer is comprised of a regenerative blower (i.e., vacuum pump), hour meter, moisture separator and filter, sampling port, and a manifold with three independent legs. Two legs (Legs 1 and 3) operated the deep SVE wells, and one leg (Leg 2) operated the shallow wells. Additionally, the SVE trailer is equipped with a programmable automation panel to control valves for each manifold leg. A natural gas generator provided electrical power to the trailer.

The SVE system created a treatment field of approximately 0.15 acres and treated soil to a depth of approximately 30 ft bgs. The system start-up date was 12/18/19. The SVE system was operated until 07/24/23.

Prior Reports and Assessments

Prior assessment reports, corrective action reports, and status reports pertaining to the Site are listed below:

- Site Characterization Plan, dated 03/05/19
- Site Characterization and Remedial Action Plan, dated 05/21/19
- Status Report 4th Quarter 2019, dated 01/31/20
- *Status Report 1st Quarter 2020*, dated 04/30/20
- Status Report 2nd Quarter 2020, dated 09/03/20
- Status Report 3rd Quarter 2020, dated 11/25/20
- Status Report 4th Quarter 2020, dated 01/28/21
- *Status Report 1st Quarter 2021*, dated 05/05/21
- *Status Report 2nd Quarter 2021*, dated 07/28/21
- *Status Report 3rd Quarter 2021*, dated 10/29/22
- *Status Report 4th Quarter 2021*, dated 01/28/22
- Status Report 1st Quarter 2022, dated 04/13/22
- Status Report 2nd Quarter 2022, dated 07/14/22
- Status Report 3rd Quarter 2022, dated 10/14/22
- Status Report 4th Quarter 2022, dated 01/12/23
 Status Report 1st Quarter 2023, dated 04/10/23
- Soil Monitoring Results and In-Situ Remediation Proposal, dated 06/27/23
- Status Report 2nd Quarter 2023, dated 07/13/23.



Regulatory Closure Criteria

The New Mexico Oil Conservation Division (NMOCD) established remediation action levels for soil impacted by oilfield products or wastes, which are documented under the New Mexico Administrative Code (NMAC) Rule 19.15.29. The Rule was officially promulgated by Oil Conservation Division Order No.: R-14751, dated June 21, 2018.

Under Rule 19.15.29, soil cleanup criteria are determined based on the depth to usable groundwater and distances to surface water resources and sensitive features. Regulated groundwater intervals, required laboratory methodology, and soil closure criteria are presented in Table 1 below.

Table 1. Closure Criteria for Soil Impacted by a Release

Depth to Groundwater ¹	Constituent	Method ²	Regulatory Criteria ³ (mg/kg)
≤ 50 feet	Chloride ⁴	EPA 300.0	600
	TPH	EPA SW-846 Method 8015M	100
	Total BTEX	EPA SW-846 Method 8021B or 8260B	50
	Benzene	EPA SW-846 Method 8021B or 8015M	10
51 feet-100 feet	Chloride ⁴	EPA 300.0	10,000
	TPH	EPA SW-846 Method 8015M	2,500
	GRO+DRO	EPA SW-846 Method 8015M	1,000
	Total BTEX	EPA SW-846 Method 8021B or 8260B	50
	Benzene	EPA SW-846 Method 8021B or 8260B	10
> 100 feet	Chloride ⁴	EPA 300.0	20,000
	TPH	EPA SW-846 Method 8015M	2,500
	GRO+DRO	EPA SW-846 Method 8015M	1,000
	Total BTEX	EPA SW-846 Method 8021B or 8260B	50
	Benzene	EPA SW-846 Method 8021B or 8015M	10

¹ From surface to useable groundwater (i.e., less than 10,000 milligrams per liter (mg/L) total dissolved solids (TDS))

Additionally, the most stringent closure criteria as presented in Table 1 (i.e., \leq 50 feet) are applicable for releases within a municipal boundary, 100-year floodplain, overlying a mine or unstable area, or within the specified protective distances from sensitive features as shown in Table 2 below.

Table 2. Protective Distances for Sensitive Features

Sensitive Feature	Protective Distance (feet)
Continuously flowing watercourse and its first-order tributaries	300
Lakebed, sinkhole, or playa lake	200
Residence, school, hospital, or church	300
Spring or water well for private domestic/livestock water source	500
Any spring or fresh water well	1,000
Wetland	300



² Or other test methods approved by the division

Regulatory limits or background level, whichever is greater
 Applies to produced water and fluids containing chloride

TPH - Total Petroleum Hydrocarbons (GRO + DRO + MRO)

GRO – Gasoline Range Organics

DRO - Diesel Range Organics

MRO - Motor Oil Range Organics

mg/kg - milligrams per kilogram

A review of well records maintained by the New Mexico Office of the State Engineer (NMOSE) revealed the closest water well is 1.36 miles west of the Site adjacent to Carrizo Creek. The differential elevation between the Site and the depth-to-water in the referenced water well provides a depth-to-groundwater for the Site to be 385 ft. The Site is not situated within a municipal boundary, floodplain, mine or unstable area, or within 1,000 ft of any sensitive feature; therefore, soil closure criteria at the Site are as follows:

- Chloride < 20,000 mg/kg
- Total petroleum hydrocarbons (TPH) < 2,500 mg/kg
- GRO + DRO < 1,000 mg/kg
- Total BTEX < 50 mg/kg
- Benzene < 10 mg/kg.

2023 Soil Monitoring

On May 8, 2023, Timberwolf collected twelve (12) soil samples from four (4) soil monitoring borings (i.e., SM1 – SM4) to evaluate the SVE system's effectiveness and to evaluate remedial progress at the Site. Soil samples were collected from the surface to 30 ft bgs. Soil from each boring (i.e., SM1 – SM4) was field screened for volatile organic compounds (VOC) using a photoionization detector (PID). Samples selected for laboratory analysis included the highest PID readings from the unconsolidated zone (0-9.5 ft), consolidated zone (9.5-30 ft), and boring terminus (29-30 ft). Soil monitoring boring locations and laboratory results are shown in Figure 5, and in Timberwolf's report, *Soil Monitoring Results and In-Situ Remediation Proposal*, dated 06/27/23.

The soil samples revealed two (2) samples from the unconsolidated zone exceeded regulatory criteria for certain COCs (i.e., Total BTEX and/or GRO + DRO). All samples were in compliance except for identified impacted soil in two borings:

- SM1 6.5 8.5 ft
- SM3 8.5 9.5 ft

Field texture analysis additionally identified the 6.0 to 9.5 ft interval in SM1 and SM3 to be silty clay. SVE technology is less efficient on clayey soils; therefore, Timberwolf proposed an in-situ treatment to bring the remaining impacted soil into regulatory compliance.

On 07/11/23, the NMOCD approved the remediation proposal in Timberwolf's *Soil Monitoring Results* and *In-Situ Remediation Proposal* report with the following conditions:

- 1) Hilcorp must obtain NMOCD's pre-approval of any biosurfactant application if the Division had not previously approved its use,
- 2) Any amendments used should include Material Data Sheet for pre-approval, if applicable, or in the final closure report, and
- 3) Hilcorp has until 12/08/23 to submit the final closure report or a time extension request with an up-to-date status of the remedial activities conducted.

NMOCD approval of the biosurfactant Petro-Clean is attached.



2023 In-Situ Remediation

During the week of 07/24/23, Timberwolf personnel were on-site to: 1) plug and abandon SVE wells and vents, 2) define the horizontal extent of the impacted clay layer, 3) remove the unimpacted overburden soil, comprised of sand, which overlaid silty clay, 4) collect confirmation samples from the excavation base, sidewall, and stockpiled soil (i.e., overburden), and 5) conduct in-situ soil remediation of the impacted soil.

SVE wells and vents were removed with a backhoe and plugged with hydrated bentonite. The horizontal extent of impacted soil was delineated as 20 ft x 28 ft, a footprint of 560 square feet (ft²) with perimeter of 96 linear feet. Approximately 125 cubic yards (yd³) of clean overburden soil was excavated and stockpiled adjacent to the excavation as shown in Figure 6. The impacted soil from the 6.0 to 9.5 ft depth interval was treated in place. A fence was erected surrounding the excavation and stockpiles and the excavation was sloped to allow an escape route for wildlife.

Confirmation Sampling - Excavation Base, Sidewalls, and Overburden

Prior to in-situ treatment, excavation confirmation samples were collected to ensure that: 1) the horizontal extent of impacted soil was identified; 2) the vertical extent of impacted soil was identified; and 3) the stockpiled overburden soil was in compliance within regulatory closure criteria.

Each excavation confirmation sample was a composite comprised of five (5) sample points. Sample points were collected using a hand auger or spade. All sample points used to form a composite sample were placed into a sealable plastic bag and homogenized. Excavation base samples were collected from the base of the unconsolidated/in-situ treatment zone. A summary of confirmation sample types, nomenclature, number of sample points per composite, total number of confirmation samples by type, and sampling frequency are provided in Table 3 below.

Table 3. Summary of Confirmation Samples

Confirmation Sample Type	Nomenclature	Number of Sample Points*	Number of Samples	Sample Frequency
Excavation sidewall	ESW	5	5	200 ft ²
Excavation base	EB	5	3	200 ft ²
Stockpiled overburden soil	STOCKPILE	5	3	50 yd ³

ft2 - square feet

Composite samples were placed in laboratory-provided sample containers, stored on ice, and transported under proper chain-of-custody protocol to Hall Environmental & Analytical Laboratory (HEAL) of Albuquerque, New Mexico for chemical analysis. Samples were analyzed for the following constituents:

- BTEX by EPA SW-846 Method 8021B
- GRO, DRO, and MRO by EPA SW-846 Method 8015M
- Chloride by EPA Method 300.0.

The analytical results from excavation sidewalls, excavation bases, and overburden stockpiles confirmation samples are summarized in Tables 4, 5, and 6 below. Confirmation sample locations are shown in Figure 6.

TIMBERWOLF ENVIRONMENTAL

yd3 - cubic yards

^{*} Number of sample points per composite

Table 4. Analytical Results - 07/25/23 Confirmation Samples - Excavation Sidewall

Sample ID	Volatile Organic Compounds (mg/kg)		GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO + DRO	TPH (mg/kg)	Chloride
	Benzene	Total BTEX	(ilig/kg)	(ilig/kg)	(IIIg/Kg)	(mg/kg)	(ilig/kg)	(mg/kg)
ESW1	< 0.025	< 0.221	< 4.9	16	< 47	16	16	< 60
ESW2	< 0.024	< 0.215	< 4.8	23	< 48	23	23	< 60
ESW3	< 0.025	< 0.221	< 4.9	< 9.6	< 48	< 9.6	< 48	< 60
ESW4	< 0.024	< 0.220	< 4.9	10	< 44	10	10	< 60
ESW5	< 0.023	< 0.211	< 4.7	< 9.7	< 48	< 9.7	< 48	< 61
Closure Criteria	10	50	-		-	1,000	2,500	20,000

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

GRO - Gasoline Range Organics

DRO – Diesel Range Organics MRO – Motor Range Organics

TPH - Total Petroleum Hydrocarbons (GRO + DRO + MRO)

exceeds regulatory criteria
 no applicable regulatory criteria
 mg/kg – milligrams per kilogram

Table 5. Analytical Results – 07/25/23 Confirmation Samples – Excavation Base

Sample ID	Volatile Organic Compounds (mg/kg)		GRO	DRO	MRO (mg/kg)	GRO + DRO	TPH (mg/kg)	Chloride
	Benzene	Total BTEX	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
EB1	< 0.024	< 0.527	22	13	< 49	35	35	< 60
EB2	< 0.025	< 1.666	47	< 9.5	< 47	47	47	62
EB3	< 0.024	< 5.484	120	62	< 46	182	182	< 60
Closure Criteria	10	50				1,000	2,500	20,000

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

GRO - Gasoline Range Organics

DRO – Diesel Range Organics MRO – Motor Range Organics

TPH – Total Petroleum Hydrocarbons (GRO + DRO + MRO)

– exceeds regulatory criteria
 -- no applicable regulatory criteria
 mg/kg – milligrams per kilogram

Table 6. Analytical Results - 07/25/23 Confirmation Samples - Stockpiles

Sample ID	Volatile Organic Compounds (mg/kg)		GRO	DRO	MRO (mg/kg)	GRO + DRO	TPH (mg/kg)	Chloride
	Benzene	Total BTEX	(mg/kg) (mg/kg)		(mg/kg) (mg/kg)		(mg/kg)	(mg/kg)
STOCKPILE1	< 0.023	< 0.211	6.2	44	< 49	50.2	50.2	< 59
STOCKPILE2	< 0.024	< 0.220	7.3	16	< 46	23.3	23.3	< 60
STOCKPILE3	< 0.023	< 0.839	53	80	< 50	133	133	< 60
Closure Criteria	10	50	-	-	•	1,000	2,500	20,000

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

GRO – Gasoline Range Organics

DRO - Diesel Range Organics

MRO – Motor Range Organics

TPH - Total Petroleum Hydrocarbons (GRO + DRO + MRO)

– exceeds regulatory criteria
 – no applicable regulatory criteria
 mg/kg – milligrams per kilogram

All samples were collected in accordance with 19.15.29 NMAC. Laboratory results revealed that all sidewall, excavation base, and overburden soil samples were below regulatory closure criteria for the Site. Laboratory methods, analytical results, and chain-of-custody documents are provided in the attached laboratory report.



In-Situ Treatment

Impacted soil was treated in-situ by incorporating 40 pounds (lbs.) of Sta-Green™ 13-13-13 All-Purpose Fertilizer and 36 lbs. of Sta-Green™ 22-0-4 Lawn Fertilizer. In addition, 20 gallons of Petro-Clean biosurfactant was added to 500 gallons of fresh water and incorporated into the impacted soil.

The soil was mixed using an excavator to: 1) incorporate amendments, 2) promote volatilization of the most volatile hydrocarbon fraction (i.e., GRO), and 3) aerate the soil to promote biodegradation. Approximately 73 yd³ of soil was treated in-situ. The final size of the excavation measured approximately 28 ft by 20 ft (approximately 560 ft²), with an average depth of 9.5 ft bgs. Corrective actions are documented in the attached photographic log.

Post In-Situ Treatment Confirmation Sampling

On October 26, 2023, Timberwolf collected three (3) post-treatment confirmation samples to determine if the in-situ treatment sufficiently degraded petroleum hydrocarbons and if soil regulatory closure criteria had been met. Each treatment confirmation sample was a composite comprised of five (5) sample points. Sample points were collected using a hand auger. All sample points used to form a composite sample were placed into a sealable plastic bag and homogenized. Samples were collected from the base of the unconsolidated treatment area (i.e., approximately 9.5 ft bgs).

Composite samples were placed in laboratory-provided sample containers, stored on ice, and transported under proper chain-of-custody protocol to Hall Environmental & Analytical Laboratory (HEAL) of Albuquerque, New Mexico for chemical analysis. Samples were analyzed for the following constituents:

- BTEX by EPA SW-846 Method 8021B
- GRO, DRO, and MRO by EPA SW-846 Method 8015M.

The analytical results from the treatment area confirmation samples are summarized in Table 7 below. Confirmation sample (CS) locations are shown in Figure 7.

Table 7. Analytical Results – Post In-situ Treatment Confirmation Samples – 10/26/23

Sample ID	Volatile Organic Compounds (mg/kg)		GRO	DRO (mg/kg)	MRO (mg/kg)	GRO + DRO	TPH (mg/kg)
	Benzene	Total BTEX			(ilig/kg)	(mg/kg)	(mg/kg)
CS1	< 0.024	< 0.212	8.1	12	< 47	20.1	20.1
CS2	< 0.023	< 0.207	< 4.6	< 9.4	< 47	< 9.4	< 47
CS3	< 0.023	< 0.211	15	< 9.6	< 48	15	15
Closure Criteria	10	50		1		1,000	2,500

BTEX - Benzene, Toluene, Ethylbenzene, and Xylene

GRO – Gasoline Range Organics

DRO - Diesel Range Organics

MRO – Motor Range Organics

TPH - Total Petroleum Hydrocarbons (GRO + DRO + MRO)

– exceeds regulatory criteria
 -- no applicable regulatory criteria
 mg/kg – milligrams per kilogram



Laboratory results revealed that all confirmation samples were below regulatory closure criteria for the Site and that the in-situ remediation efforts were successful. Laboratory methods, analytical results, and chain-of-custody documents are provided in the attached laboratory report.

Conclusions

Remedial work performed at the Site included soil vapor extraction (SVE) and in-situ soil remediation. The corrective actions yielded the following results:

- SVE system was operated between 12/18/19 and 07/24/23 and successfully treated:
 - Approximately 622 yd³ of unconsolidated soil (i.e., sand and silty clay) and 1,500 yd³ of consolidated soil (i.e., sandstone)
 - Based on SVE air sample analysis and measured flow rates, and condensate recovery, the SVE system removed:
 - 29.1 bbls of GRO
 - 0.59 bbls of recovered condensate liquids
 - 84.9 lbs of benzene
 - 326.8 lbs of toluene
 - 14.6 lbs of ethylbenzene
 - 137.2 lbs of xylenes
- The in-situ remediation of the silty clay lens observed near the center and southern portions of Site successfully treated:
 - o Approximately 73 yd³ of soil impacted by GRO and/or total BTEX was treated
 - Laboratory analysis of soil samples collected from the excavation base (EB1 SB3),
 sidewall (SW1 SW5), overburden (i.e., Stockpile 1 Stockpile 3) revealed that the impacted soil was horizontally and vertically delineated
 - O Confirmation samples of the in-situ treated soil (i.e., CS1 CS3) revealed that the in-situ treatment successfully brought impacted soil into regulatory compliance
 - o All samples were collected in accordance with 19.15.29 NMAC.

Further Action

Upon NMOCD approval, Hilcorp will backfill overburden soil to close the excavation and return the Site to grade. Additionally, Hilcorp will provide notice to the NMOCD upon completion of Site reclamation activities.



If you have any questions regarding this report or need further assistance, do not hesitate to contact us.

Sincerely,

Timberwolf Environmental, LLC

Kevin Cole Project Manager Jim Foster President

for Short

Attachments: Figures

Photographic Log

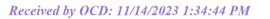
NMOCD Correspondence

Laboratory Reports and Chain-of-Custody Documents

cc: Kate Kaufman, Hilcorp

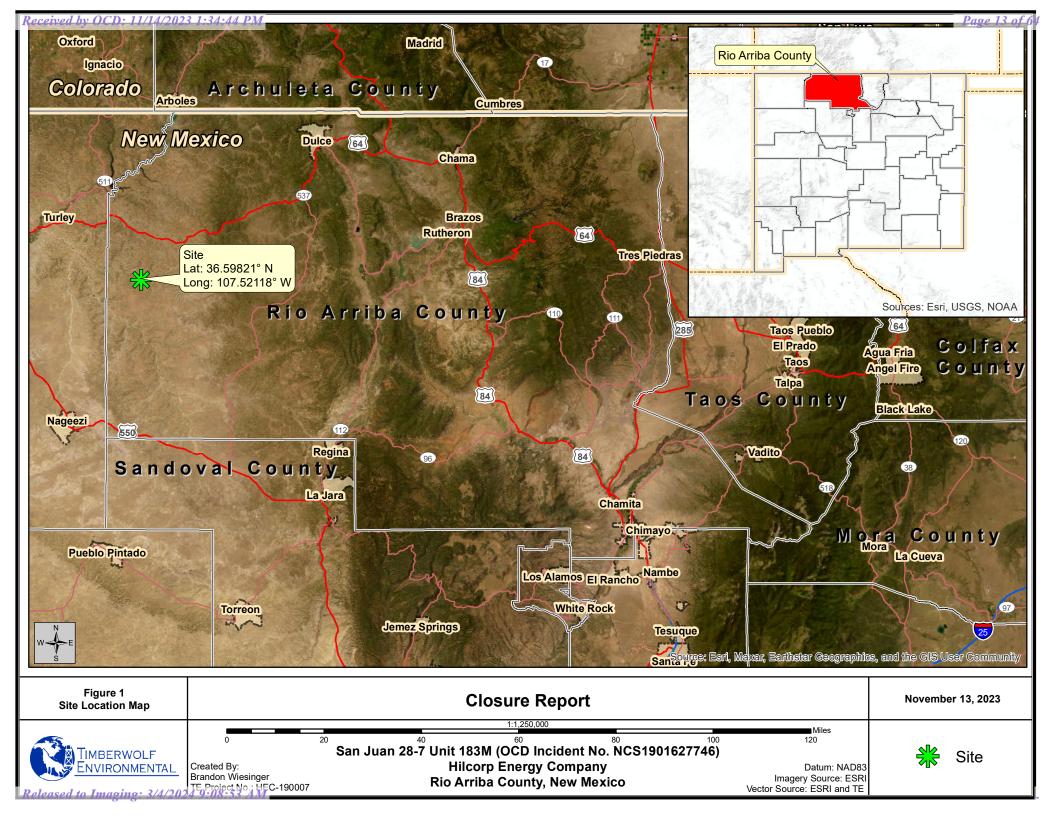
Abiodun Adeloye (Emmanuel), Bureau of Land Management

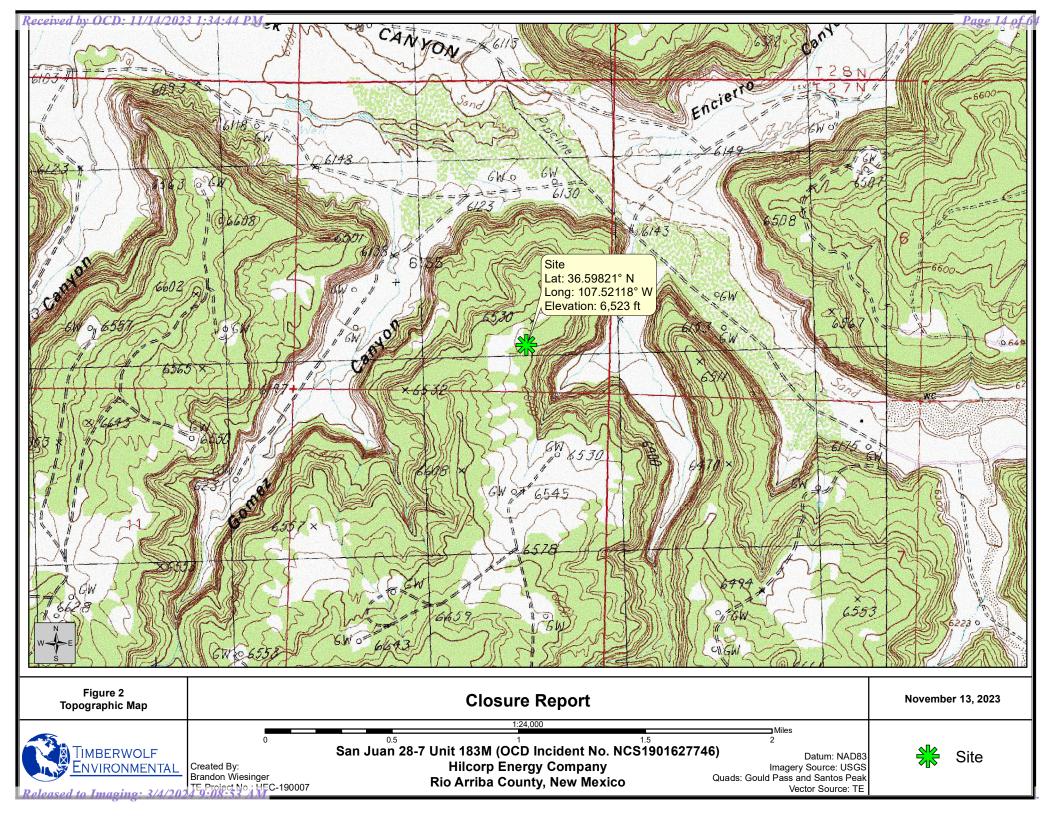


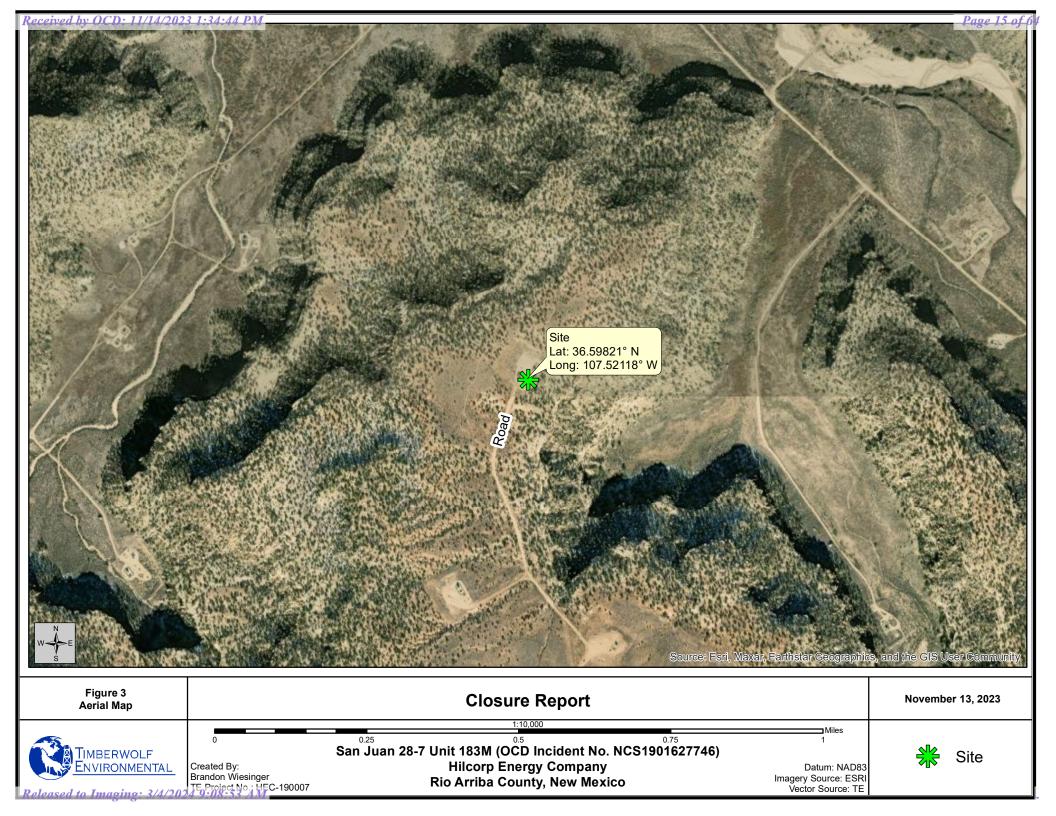


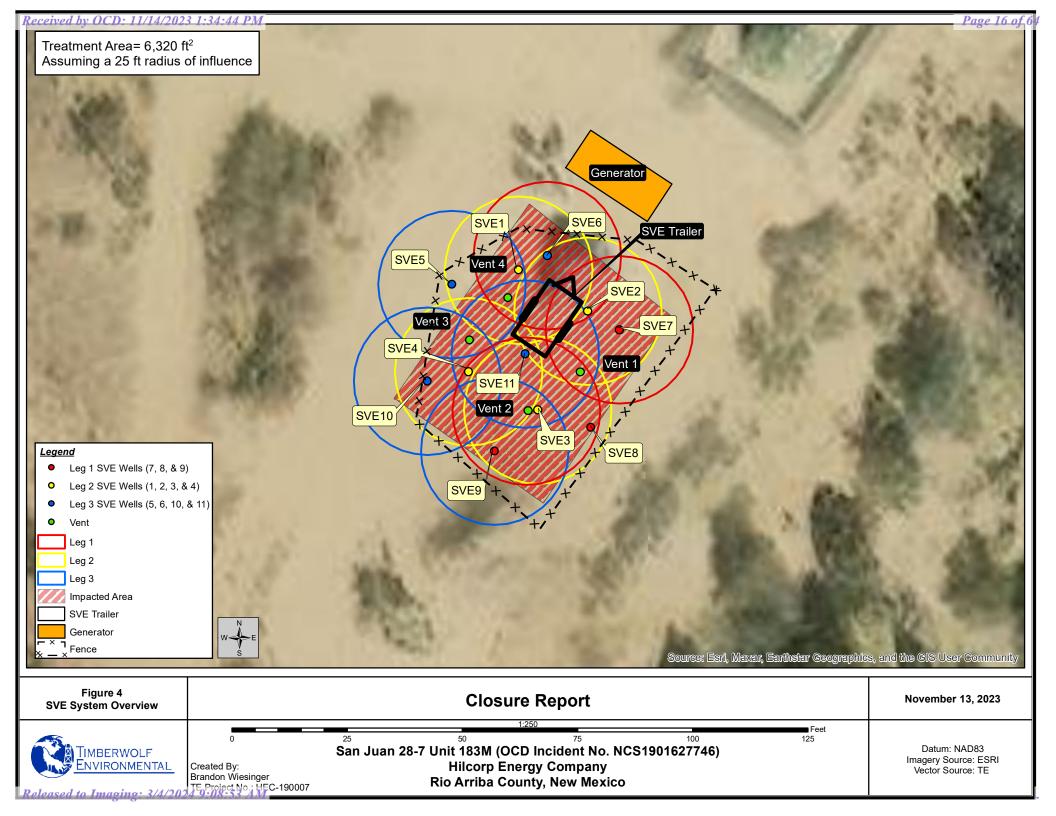
Page 12 of 64

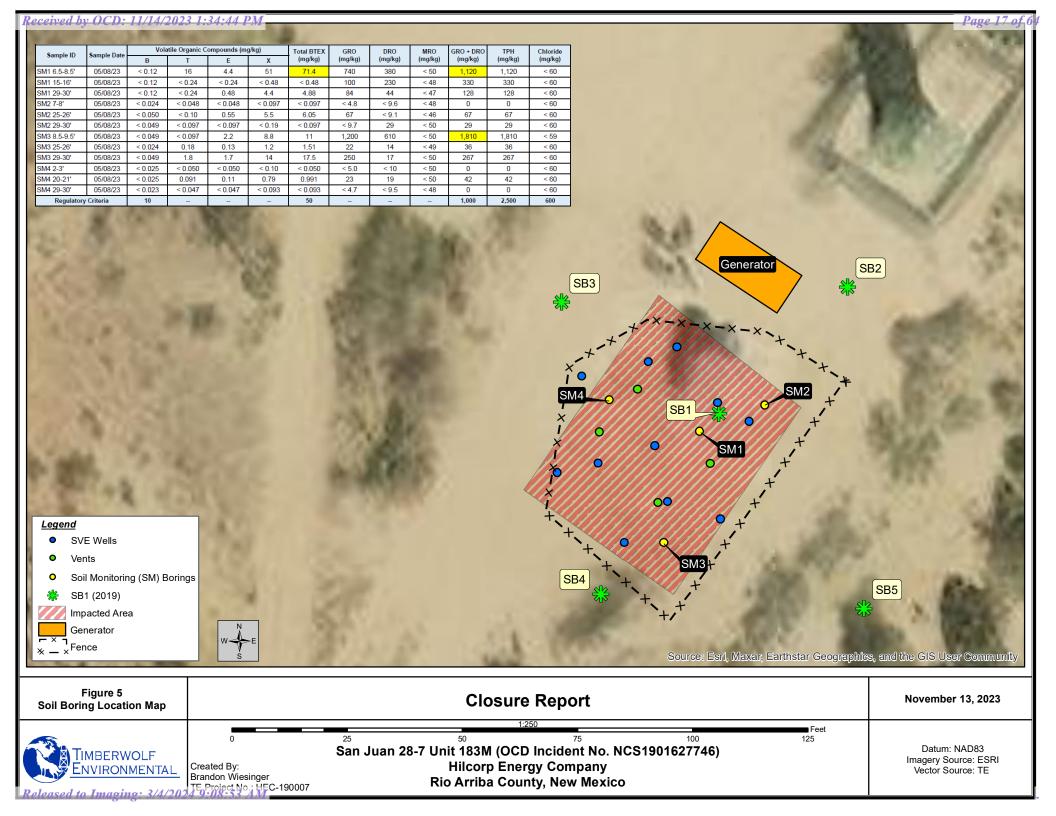
Figures

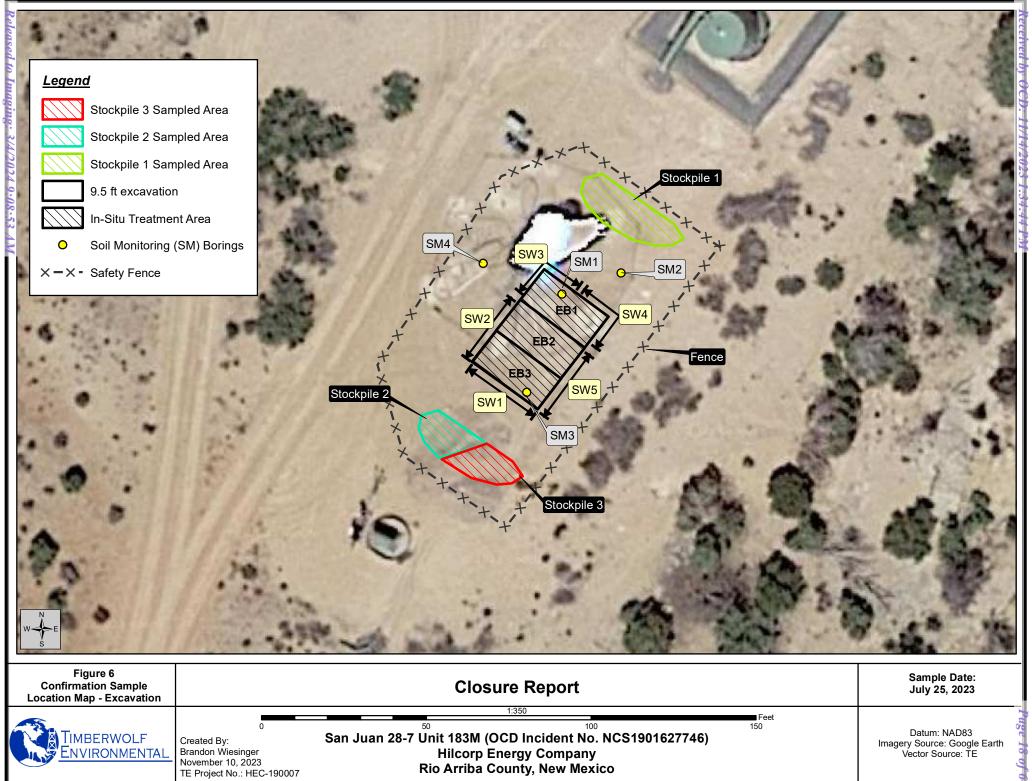




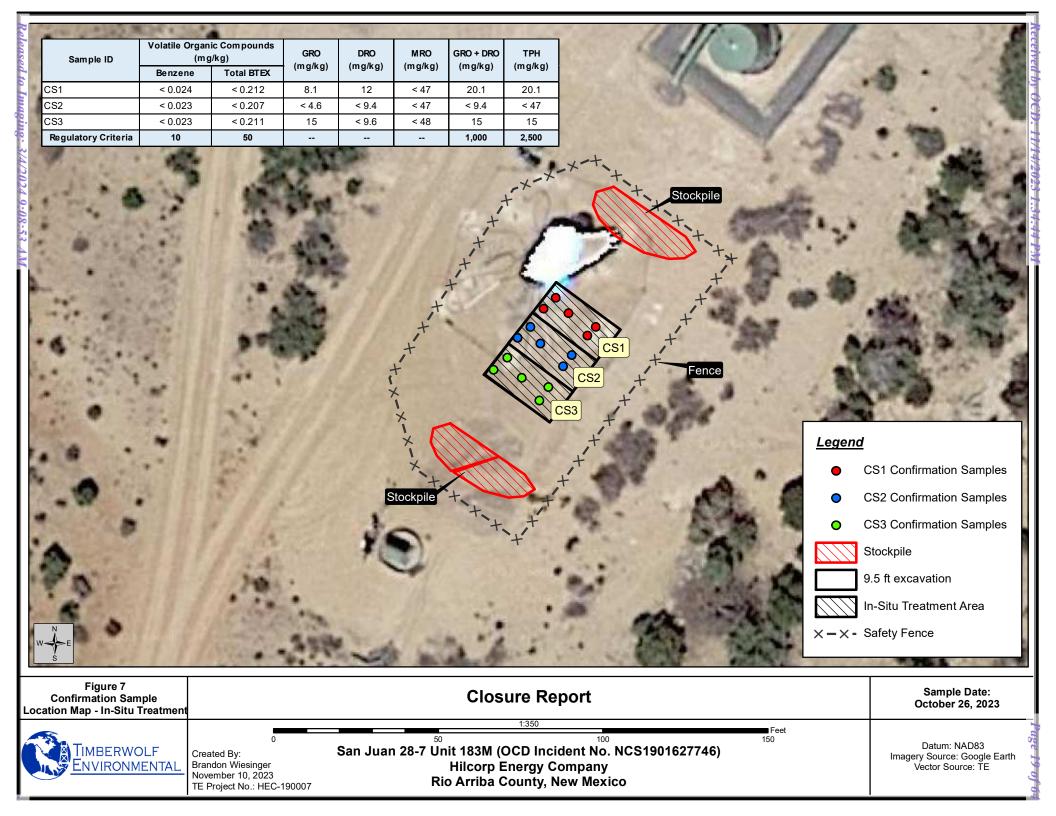








Hilcorp Energy Company Rio Arriba County, New Mexico







PHOTOGRAPHIC LOG

Project No.:	HEC-190007	Client:	Hilcorp Energy Company
Project Name:	San Juan 28-7 Unit 183M	Site Location:	Rio Arriba County, New Mexico
Task Description:	Closure Report	Date:	October – November 2019

Photo No.:

Direction:

Northeast Comments:

Overview of SVE system. SVE vents are identified by map tags. SVE wells are connected to vacuum hoses, which connect to the SVE trailer's manifold system located on the left side of the trailer.

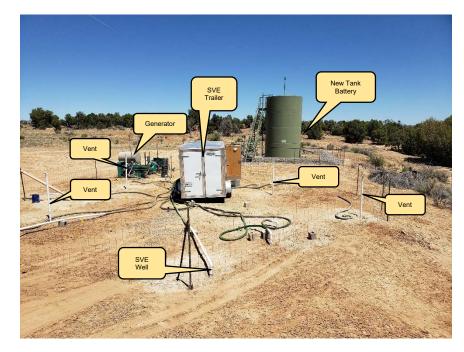
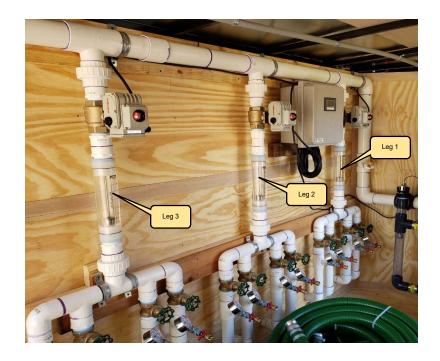


Photo No.:

Direction: N/A

Comments:

View of 3-leg manifold system inside SVE trailer. Each leg is capable of running up to four SVE wells. Each well can be isolated or regulated using a dedicated gate valve and vacuum gauge. Each leg is equipped with a flow meter. The legs are controlled with an automation system and three electronic ball valves.



San Juan 28-7 Unit 183M HEC-190007



PHOTOGRAPHIC LOG

Project No.:	HEC-190007	Client:	Hilcorp Energy Company
Project Name:	San Juan 28-7 Unit 183M	Site Location:	Rio Arriba County, New Mexico
Task Description:	Closure Report	Date:	October – November 2019

Photo No.:

3

Direction: N/A

Comments:

View of moisture separator, filter, and regenerative pump.



Photo No.:

Direction: N/A

Comments:

View of leg 1 of the manifold and automation system, trunk line, moisture separator high-level shut-off, and gas sample port.





PHOTOGRAPHIC LOG

Project No.:	HEC-190007	Client:	Hilcorp Energy Company
Project Name:	San Juan 28-7 Unit 183M	Site Location:	Rio Arriba County, New Mexico
Task Description:	Closure Report	Date:	May 2023
D. 4 N.			

Photo No.:

Direction:

N/A

Comments:

View of open-top water/condensate storage tank fitted with bird netting.



Photo No.:

Direction: East

Comments:

View of drilling rig during soil monitoring event, location is SM4.

Note: SVE trailer in background.



San Juan 28-7 Unit 183M HEC-190007

Page 3 of 5



PHOTOGRAPHIC LOG

Project No.:	HEC-190007	Client:	Hilcorp Energy Company
Project Name:	San Juan 28-7 Unit 183M	Site Location:	Rio Arriba County, New Mexico
Task Description:	Closure Report	Date:	July 2023

Photo No.:

7

Direction: North

Comments:

SVE well and vent plugging and abandonment.

Note: All wells were sealed with hydrated bentonite.

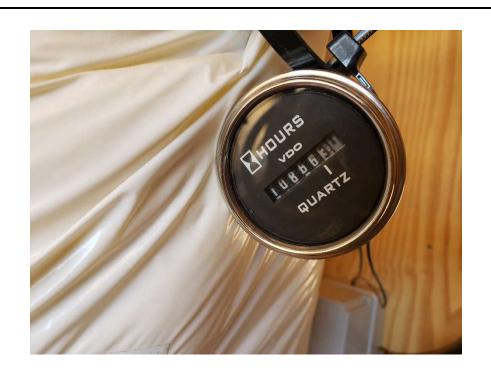


Photo No.:

Direction: N/A

Comments:

View of hour meter reading at system shut down on 07/24/23 at 11:00.



San Juan 28-7 Unit 183M HEC-190007



PHOTOGRAPHIC LOG

Project No.: HEC-19	0001	Client:	Hilcorp Energy Company
Project Name: San Jua	an 28-7 Unit 183M	Site Location:	Rio Arriba County, New Mexico
Task Description: Closure	Report	Date:	July 2023

Photo No.:

Direction:Northeast

Comments: View of stockpiled

overburden soil, earthen vehicle barricade, and fence.



Photo No.:

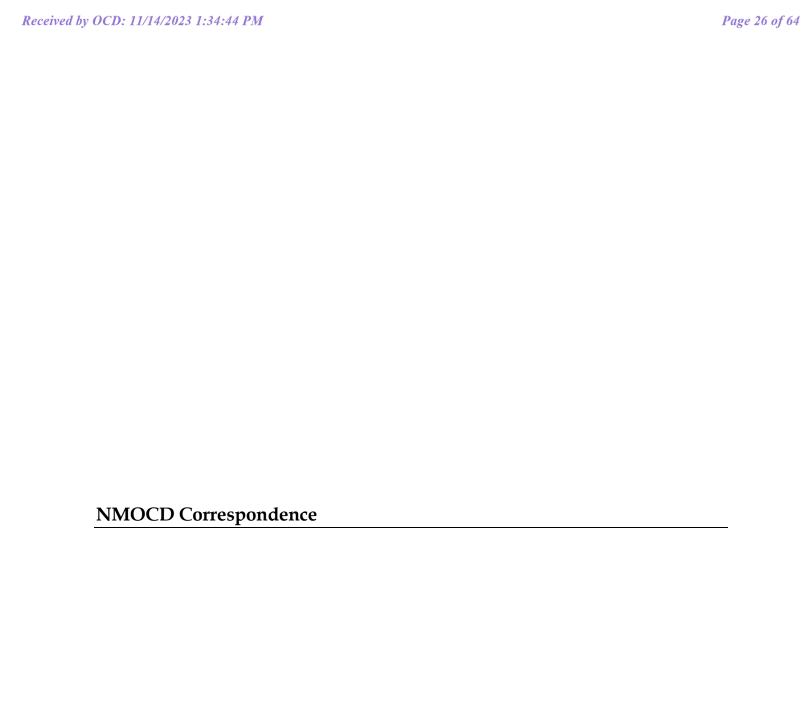
Direction: South

Comments: View of in-situ treated soils.

Note: sidewalls sloped to allow escape route for wildlife and perimeter fencing.



San Juan 28-7 Unit 183M HEC-190007



Berenice Marquez

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Wednesday, July 19, 2023 1:23 PM

To: Jim Foster

Cc: Kate Kaufman; Kevin Cole

Subject: Re: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application

ID: 236046

Jim,

Thank you for the additional information. Your request to apply Petro-clean as an amendment is approved.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Jim Foster < jim@teamtimberwolf.com>

Sent: Tuesday, July 18, 2023 7:04 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Kate Kaufman < kkaufman@hilcorp.com>; Kevin Cole < kevin@teamtimberwolf.com>

Subject: [EXTERNAL] RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 236046

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

To follow-up on our phone call this afternoon, Petro-clean has the following advantages over MicroBlaze:

- Petro-clean is a similar product to Micro-Blaze, but has a higher microbial count
- Petro-clean additionally is a biosurfactant, which increase surface area, which increases biodegradation rates
- Prior use of both products by Timberwolf indicates that Petro-clean is more effective

Both are EPA approved.

Thanks,

Jim Foster



1115 Welsh Ave, Suite L College Station, TX 77840

C: 979-324-2139 teamtimberwolf.com

From: Jim Foster

Sent: Friday, July 14, 2023 3:43 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov>; Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us>

Cc: Kate Kaufman < kkaufman@hilcorp.com>; Kevin Cole < kevin@teamtimberwolf.com>

Subject: RE: The Oil Conservation Division (OCD) has approved the application, Application ID: 236046

Nelson,

Our preference for biosurfactant for the SJ 28-7 No. 183M is Petro-Clean; attached is the material data sheet. The EPA also has a link to this product, provided below:

https://www.epa.gov/emergency-response/petro-clean

We plan to be on-site beginning Monday, July 24th, 2023. Work to begin at 8:30 am.

Thank you for your consideration of this product.

Iim Foster



1115 Welsh Ave, Suite L College Station, TX 77840

C: 979-324-2139 teamtimberwolf.com

From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Tuesday, July 11, 2023 4:35 PM

To: Jim Foster < jim@teamtimberwolf.com>

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 236046

To whom it may concern (c/o Jim Foster for HILCORP ENERGY COMPANY),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nCS1901627746,

with the following conditions:

Remediation Plan is approved under the following conditions; 1. Hilcorp must obtain OCD's pre-approval of
any biosurfactant application if the Division had not previously approved it use. 2. Any amendments used
should include Material Data Sheet for pre-approval, if applicable, or in the final closure report. 3. Hilcorp has
until December 8, 2023 to submit the final closure report or a time extension request with an up-to-date
status of the remedial activities conducted.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you, Nelson Velez Environmental Specialist – Advanced 505–469–6146

Nelson.Velez@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

This email has been scanned for Virus/Malware by RusTECH MailCLOUD Protect.

6921 Olson, Pasadena, TX. 77505 281-487-5482 or 1-800-609-2728

www.alabastercorp.com

MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Trade Name

Petro Clean

Manufacturer

Alabaster Corporation

6921 Olson

Pasadena, TX 77505

Telephone Numbers

24 Hour Emergency Assistance 800-609-2728

General Assistance

281-487-5482

Product Class

Surface Cleaning Agent, Liquid

Product Number

Petro Clean

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components CAS Number OSHA PEL ACGIH TLV

NONE. This product does not contain any ingredients covered by the provisions of 29 CFR 1910.1200. All ingredients are organic and completely biodegradable. Ingredients not precisely identified are proprietary or non-hazardous. The liquid material is a water-based proprietary mixture of emulsifiers, non ionic surfactant, and in some formulations naturally occurring micro- organisms, which are non-pathogenic to humans, livestock, or agriculture.

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. This is not intended to be complete compositional disclosure.

3 HAZARDS IDENTIFICATION

Emergency Overview

Caution

May cause irritation to the eyes, skin, respiratory, and digestive system.

Alabaster Corporation

Page 1 of 6

Released to finaging: 3/4/2024 9:08:53 AM

Revised 12/01/08

Eye irritation develops immediately with contact and may cause mild irritation experienced as discomfort or pain, excess blinking and tear production, blurred vision, and redness.

Health Effects: Skin

Contact may cause slight irritation on sensitive skin as well as drying out and chapping.

Health Effects: Inhalation

Inhalation of high concentration of vapors may upset stomach and cause slight irritation of the respiratory tract.

Health effects: Ingestion

Ingestion may produce gastrointestinal disturbances including irritation, nausea and vomiting.

4 FIRST AID MEASURES

Eyes

Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If irritation persists get medical attention.

Skin

For skin contact flush with large amounts of water while removing contaminated clothing and shoes. If irritation persists get medical attention.

Inhalation

If symptoms are experienced remove to fresh air. If symptoms persist get medical attention. If the affected person is not breathing apply artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion

If swallowed, do not induce vomiting, get immediate medical attention.

5 FIRE FIGHTING MEASURES

Flash Point:

None

Extinguishing Media:

N/A

Decomposition Products:

Oxides of carbon

UEL:

N/A

LEL:

N/A

Containers may explode from internal pressure if confined in fire. Cool with water.

Fire fighting equipment

Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus and full protective clothing.

6 ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES

Contain large spills with dikes and transfer material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and dispose of in accordance with applicable regulations.

7 HANDLING AND STORAGE

HANDLING PROCEDURES

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes, skin and clothing.

STORAGE PROCEDURES

Store away from acids and oxidizers.

PRECAUTIONARY MEASURES

Use with adequate ventilation. Do not breathe vapors. Do not breathe spray mist. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.

8 EXPOSURE CONTROLS

General Considerations

Consider the potential hazards of this material, applicable exposure limits, job activities and work place conditions when designing engineering controls and selecting personal protective equipment.

Personal Protective Equipment: Eyes/Face

Wear safety glasses or chemical goggles (if splashing is possible).

Personal Protective Equipment: Skin

Wear suitable protective clothing. Use impervious gloves and boots.

Alabaster Corporation

Page 3 of 6

Petro Clean

Released to Imaging: 3/4/2024 9:08:53 AM

Revised 12/01/2008

Use NIOSH approved vapor respirator if exposure is unknown or exceeds permissible limits. Consult the manufacturer to determine appropriate type of equipment for a given application.

Ventilation

Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see section 2). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust system.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor Clear golden liquid with medium viscosity

and slight detergent smell

Flash Point None

Specific Gravity 1.02

Vapor Pressure Same as water
Vapor Density (Air = 1) Same as water

Evaporation Rater (water = 1) 1

Boiling Point 212°F

Solubility in water Complete

pH 7.0 – 8.0

10 STABILITY AND REACTIVITY

Chemical Stability

Stable

Hazardous Polymerization

Will not occur

Incompatibility

Strong acids, oxidizers or oxidizing materials

Conditions to avoid

None known

Carcinogenicity

None of the components have been identified as carcinogen by NTP, IARC or OSHA.

12 ECOLOGICAL INFORMATION

No data available for this product.

13 DISPOSAL CONSIDERATIONS

Follow all Federal and State Regulations

14 TRANSPORTATION INFORMATION

The data provided in this section is for information only. The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate regulations to properly classify your shipment for transportation.

Proper Shipping Name: Non-hazardous cleaning compound, liquid, non-regulated by 49CFR.

Reportable Quantity:

None

Hazard Class and Label:

None

UN Number:

None

NA Number:

None

ERG:

None

15 REGULATORY INFORMATION

TSCA Status

All ingredients in this product are listed or excluded from listing on the TSCA inventory.

SARA TITLE III

313 Reportable Ingredients: None

CERCLA Reportable Quantity:

There is no calculable Reportable Quantity (RQ) for this product.

Revision Statement

Changes have been made throughout this Material Safety Data Sheet. Please read the entire document. Supercedes MSDS dated January 31, 2004.

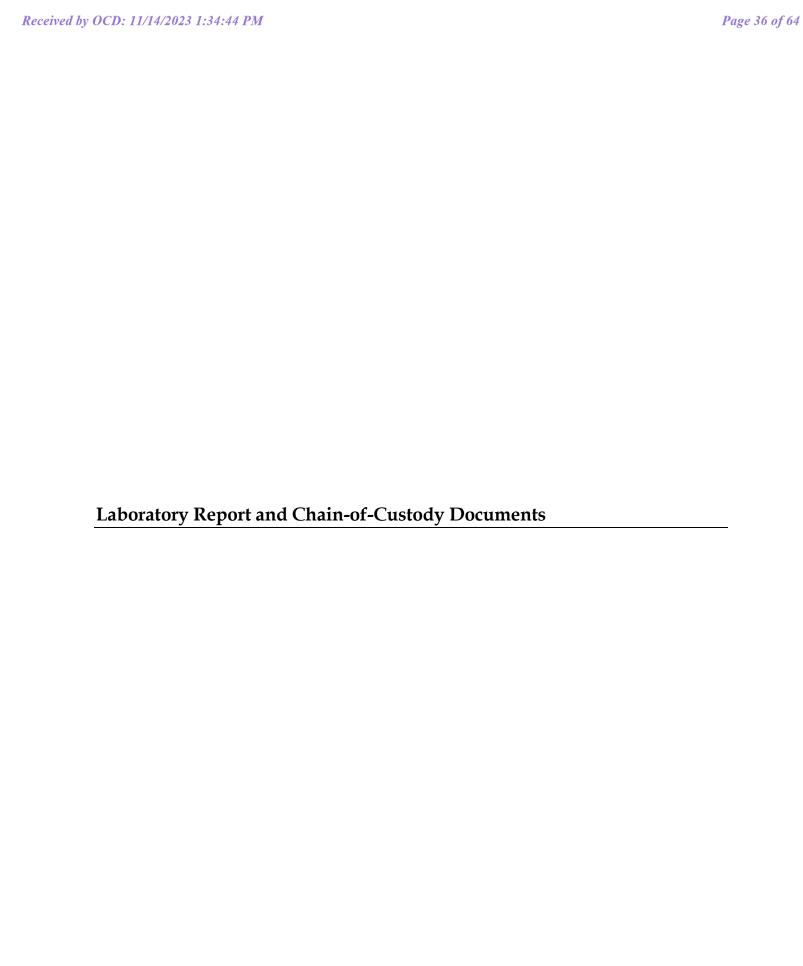
DISCLAIMER:

Although the information and recommendations set forth herein (hereinafter "Information) are presented in good faith and believed to be correct as of the date hereof, the Company makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving this MSDS will make their own determination as to its suitability for their intended purposes prior to use. Since the product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal Regulations concerning the Product. NO REPRESENTATIONS OF WARRANTIES, EITHER EXPRESS OR IMPLIED, OR MERCHANTABILITY, FITTNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

HAZARD RATINGS

HMIS	
Health	1
Flammability	0
Reactivity	0
PPE	X

<u>NFPA</u>	
Health	1
Flammability	0
Reactivity	0
Other	None





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

August 04, 2023

Jim Foster Timberwolf Environmental 1920 W Villa Maria Ste 205 Bryan, TX 77807

TEL: (979) 324-2139

FAX:

RE: SJ 28 7 183 M OrderNo.: 2307C02

Dear Jim Foster:

Hall Environmental Analysis Laboratory received 11 sample(s) on 7/26/2023 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 www.hallenvironmental.com 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 qualifiers 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 #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: ESW1

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 11:35:00 AM

 Lab ID:
 2307C02-001
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SNS
Chloride	ND	60	mg/Kg	20	8/1/2023 6:55:25 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	16	9.3	mg/Kg	1	7/28/2023 6:47:43 PM	76511
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/28/2023 6:47:43 PM	76511
Surr: DNOP	98.9	69-147	%Rec	1	7/28/2023 6:47:43 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/1/2023 5:11:00 PM	76505
Surr: BFB	102	15-244	%Rec	1	8/1/2023 5:11:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.025	mg/Kg	1	8/1/2023 5:11:00 PM	76505
Toluene	ND	0.049	mg/Kg	1	8/1/2023 5:11:00 PM	76505
Ethylbenzene	ND	0.049	mg/Kg	1	8/1/2023 5:11:00 PM	76505
Xylenes, Total	ND	0.098	mg/Kg	1	8/1/2023 5:11:00 PM	76505
Surr: 4-Bromofluorobenzene	94.7	39.1-146	%Rec	1	8/1/2023 5:11:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: ESW2

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 11:50:00 AM

 Lab ID:
 2307C02-002
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	SNS
Chloride	ND	60	mg/Kg	20	8/1/2023 7:07:50 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	23	9.7	mg/Kg	1	7/28/2023 7:12:22 PM	76511
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/28/2023 7:12:22 PM	76511
Surr: DNOP	96.6	69-147	%Rec	1	7/28/2023 7:12:22 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	8/1/2023 5:33:00 PM	76505
Surr: BFB	121	15-244	%Rec	1	8/1/2023 5:33:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analyst	: KMN
Benzene	ND	0.024	mg/Kg	1	8/1/2023 5:33:00 PM	76505
Toluene	ND	0.048	mg/Kg	1	8/1/2023 5:33:00 PM	76505
Ethylbenzene	ND	0.048	mg/Kg	1	8/1/2023 5:33:00 PM	76505
Xylenes, Total	ND	0.095	mg/Kg	1	8/1/2023 5:33:00 PM	76505
Surr: 4-Bromofluorobenzene	98.1	39.1-146	%Rec	1	8/1/2023 5:33:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: ESW3

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 12:15:00 PM

 Lab ID:
 2307C02-003
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: RBC
Chloride	ND	60	mg/Kg	20	8/2/2023 2:19:57 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/28/2023 7:37:03 PM	76511
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/28/2023 7:37:03 PM	76511
Surr: DNOP	93.9	69-147	%Rec	1	7/28/2023 7:37:03 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/1/2023 5:55:00 PM	76505
Surr: BFB	106	15-244	%Rec	1	8/1/2023 5:55:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.025	mg/Kg	1	8/1/2023 5:55:00 PM	76505
Toluene	ND	0.049	mg/Kg	1	8/1/2023 5:55:00 PM	76505
Ethylbenzene	ND	0.049	mg/Kg	1	8/1/2023 5:55:00 PM	76505
Xylenes, Total	ND	0.098	mg/Kg	1	8/1/2023 5:55:00 PM	76505
Surr: 4-Bromofluorobenzene	94.1	39.1-146	%Rec	1	8/1/2023 5:55:00 PM	76505

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
- PQL Practical Quanitative Limit
- 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: ESW4

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 1:15:00 PM

 Lab ID:
 2307C02-004
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: RBC
Chloride	ND	60	mg/Kg	20	8/2/2023 2:32:21 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	10	8.9	mg/Kg	1	7/28/2023 8:01:39 PM	76511
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	7/28/2023 8:01:39 PM	76511
Surr: DNOP	95.1	69-147	%Rec	1	7/28/2023 8:01:39 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	8/1/2023 6:17:00 PM	76505
Surr: BFB	115	15-244	%Rec	1	8/1/2023 6:17:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analyst	: KMN
Benzene	ND	0.024	mg/Kg	1	8/1/2023 6:17:00 PM	76505
Toluene	ND	0.049	mg/Kg	1	8/1/2023 6:17:00 PM	76505
Ethylbenzene	ND	0.049	mg/Kg	1	8/1/2023 6:17:00 PM	76505
Xylenes, Total	ND	0.098	mg/Kg	1	8/1/2023 6:17:00 PM	76505
Surr: 4-Bromofluorobenzene	97.8	39.1-146	%Rec	1	8/1/2023 6:17:00 PM	76505

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
- PQL Practical Quanitative Limit
- 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: ESW5

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 1:30:00 PM

 Lab ID:
 2307C02-005
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	RBC
Chloride	ND	61	mg/Kg	20	8/2/2023 2:44:45 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/28/2023 8:26:17 PM	76511
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/28/2023 8:26:17 PM	76511
Surr: DNOP	94.5	69-147	%Rec	1	7/28/2023 8:26:17 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	8/1/2023 6:39:00 PM	76505
Surr: BFB	96.6	15-244	%Rec	1	8/1/2023 6:39:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analyst	: KMN
Benzene	ND	0.023	mg/Kg	1	8/1/2023 6:39:00 PM	76505
Toluene	ND	0.047	mg/Kg	1	8/1/2023 6:39:00 PM	76505
Ethylbenzene	ND	0.047	mg/Kg	1	8/1/2023 6:39:00 PM	76505
Xylenes, Total	ND	0.094	mg/Kg	1	8/1/2023 6:39:00 PM	76505
Surr: 4-Bromofluorobenzene	92.4	39.1-146	%Rec	1	8/1/2023 6:39:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: EB1

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 1:55:00 PM

 Lab ID:
 2307C02-006
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: RBC
Chloride	ND	60	mg/Kg	20	8/2/2023 2:57:10 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	13	9.8	mg/Kg	1	7/28/2023 8:50:58 PM	76511
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/28/2023 8:50:58 PM	76511
Surr: DNOP	97.6	69-147	%Rec	1	7/28/2023 8:50:58 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	22	4.7	mg/Kg	1	8/1/2023 7:44:00 PM	76505
Surr: BFB	235	15-244	%Rec	1	8/1/2023 7:44:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.024	mg/Kg	1	8/1/2023 7:44:00 PM	76505
Toluene	ND	0.047	mg/Kg	1	8/1/2023 7:44:00 PM	76505
Ethylbenzene	0.076	0.047	mg/Kg	1	8/1/2023 7:44:00 PM	76505
Xylenes, Total	0.38	0.095	mg/Kg	1	8/1/2023 7:44:00 PM	76505
Surr: 4-Bromofluorobenzene	121	39.1-146	%Rec	1	8/1/2023 7:44:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: EB2

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 2:50:00 PM

 Lab ID:
 2307C02-007
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	RBC
Chloride	62	60	mg/Kg	20	8/2/2023 3:09:34 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/28/2023 9:15:31 PM	76511
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/28/2023 9:15:31 PM	76511
Surr: DNOP	96.5	69-147	%Rec	1	7/28/2023 9:15:31 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	47	5.0	mg/Kg	1	8/1/2023 8:06:00 PM	76505
Surr: BFB	207	15-244	%Rec	1	8/1/2023 8:06:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analyst	: KMN
Benzene	ND	0.025	mg/Kg	1	8/1/2023 8:06:00 PM	76505
Toluene	0.061	0.050	mg/Kg	1	8/1/2023 8:06:00 PM	76505
Ethylbenzene	0.18	0.050	mg/Kg	1	8/1/2023 8:06:00 PM	76505
Xylenes, Total	1.4	0.10	mg/Kg	1	8/1/2023 8:06:00 PM	76505
Surr: 4-Bromofluorobenzene	141	39.1-146	%Rec	1	8/1/2023 8:06:00 PM	76505

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
- PQL Practical Quanitative Limit
- 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: EB3

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 2:25:00 PM

 Lab ID:
 2307C02-008
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: RBC
Chloride	ND	60		mg/Kg	20	8/2/2023 3:21:59 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	:: SB
Diesel Range Organics (DRO)	62	9.3		mg/Kg	1	7/28/2023 9:40:01 PM	76511
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/28/2023 9:40:01 PM	76511
Surr: DNOP	101	69-147		%Rec	1	7/28/2023 9:40:01 PM	76511
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: KMN
Gasoline Range Organics (GRO)	120	4.9		mg/Kg	1	8/1/2023 8:27:00 PM	76505
Surr: BFB	328	15-244	S	%Rec	1	8/1/2023 8:27:00 PM	76505
EPA METHOD 8021B: VOLATILES						Analyst	: KMN
Benzene	ND	0.024		mg/Kg	1	8/1/2023 8:27:00 PM	76505
Toluene	0.33	0.049		mg/Kg	1	8/1/2023 8:27:00 PM	76505
Ethylbenzene	0.53	0.049		mg/Kg	1	8/1/2023 8:27:00 PM	76505
Xylenes, Total	4.6	0.097		mg/Kg	1	8/1/2023 8:27:00 PM	76505
Surr: 4-Bromofluorobenzene	139	39.1-146		%Rec	1	8/1/2023 8:27:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: Stockpile1

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 2:30:00 PM

 Lab ID:
 2307C02-009
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: RBC
Chloride	ND	59	mg/Kg	20	8/2/2023 3:59:12 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	44	9.7	mg/Kg	1	7/28/2023 10:04:28 PM	76511
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/28/2023 10:04:28 PM	76511
Surr: DNOP	106	69-147	%Rec	1	7/28/2023 10:04:28 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: KMN
Gasoline Range Organics (GRO)	6.2	4.7	mg/Kg	1	8/1/2023 8:49:00 PM	76505
Surr: BFB	139	15-244	%Rec	1	8/1/2023 8:49:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analys	t: KMN
Benzene	ND	0.023	mg/Kg	1	8/1/2023 8:49:00 PM	76505
Toluene	ND	0.047	mg/Kg	1	8/1/2023 8:49:00 PM	76505
Ethylbenzene	ND	0.047	mg/Kg	1	8/1/2023 8:49:00 PM	76505
Xylenes, Total	ND	0.094	mg/Kg	1	8/1/2023 8:49:00 PM	76505
Surr: 4-Bromofluorobenzene	103	39.1-146	%Rec	1	8/1/2023 8:49:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: Stockpile 2

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 2:35:00 PM

 Lab ID:
 2307C02-010
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: RBC
Chloride	ND	60	mg/Kg	20	8/2/2023 4:11:37 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	:: SB
Diesel Range Organics (DRO)	16	9.3	mg/Kg	1	7/28/2023 10:29:00 PM	76511
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/28/2023 10:29:00 PM	76511
Surr: DNOP	92.6	69-147	%Rec	1	7/28/2023 10:29:00 PM	76511
EPA METHOD 8015D: GASOLINE RANGE					Analys	: KMN
Gasoline Range Organics (GRO)	7.3	4.9	mg/Kg	1	8/1/2023 9:11:00 PM	76505
Surr: BFB	159	15-244	%Rec	1	8/1/2023 9:11:00 PM	76505
EPA METHOD 8021B: VOLATILES					Analys	: KMN
Benzene	ND	0.024	mg/Kg	1	8/1/2023 9:11:00 PM	76505
Toluene	ND	0.049	mg/Kg	1	8/1/2023 9:11:00 PM	76505
Ethylbenzene	ND	0.049	mg/Kg	1	8/1/2023 9:11:00 PM	76505
Xylenes, Total	ND	0.098	mg/Kg	1	8/1/2023 9:11:00 PM	76505
Surr: 4-Bromofluorobenzene	107	39.1-146	%Rec	1	8/1/2023 9:11:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab Order **2307C02**Date Reported: **8/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: Stockpile 3

 Project:
 SJ 28 7 183 M
 Collection Date: 7/25/2023 2:40:00 PM

 Lab ID:
 2307C02-011
 Matrix: SOIL
 Received Date: 7/26/2023 6:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	: RBC
Chloride	ND	60		mg/Kg	20	8/2/2023 4:24:01 PM	76612
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analys	t: SB
Diesel Range Organics (DRO)	80	10		mg/Kg	1	7/28/2023 10:53:32 PM	76511
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/28/2023 10:53:32 PM	76511
Surr: DNOP	92.5	69-147		%Rec	1	7/28/2023 10:53:32 PM	76511
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: KMN
Gasoline Range Organics (GRO)	53	4.6		mg/Kg	1	8/1/2023 9:33:00 PM	76505
Surr: BFB	278	15-244	S	%Rec	1	8/1/2023 9:33:00 PM	76505
EPA METHOD 8021B: VOLATILES						Analys	t: KMN
Benzene	ND	0.023		mg/Kg	1	8/1/2023 9:33:00 PM	76505
Toluene	ND	0.046		mg/Kg	1	8/1/2023 9:33:00 PM	76505
Ethylbenzene	0.21	0.046		mg/Kg	1	8/1/2023 9:33:00 PM	76505
Xylenes, Total	0.56	0.092		mg/Kg	1	8/1/2023 9:33:00 PM	76505
Surr: 4-Bromofluorobenzene	126	39.1-146		%Rec	1	8/1/2023 9:33:00 PM	76505

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2307C02**

04-Aug-23

Client: Timberwolf Environmental

Project: SJ 28 7 183 M

Sample ID: MB-76612 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 76612 RunNo: 98664

Prep Date: 8/1/2023 Analysis Date: 8/1/2023 SeqNo: 3593662 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-76612 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 76612 RunNo: 98664

Prep Date: 8/1/2023 Analysis Date: 8/1/2023 SeqNo: 3593663 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2307C02**

04-Aug-23

Client: Timberwolf Environmental

Project: SJ 28 7 183 M

Sample ID: MB-76511	SampT	SampType: MBLK TestCode: EPA Method					od 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch	1D: 765	511	F	RunNo: 98	3568	i					
Prep Date: 7/27/2023	Analysis D	ate: 7/2	28/2023	5	SeqNo: 3	590172	Units: mg/K	g				
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	10		10.00		101	69	147					

Sample ID: LCS-76511	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	ID: 765	511	F	RunNo: 98	3568				
Prep Date: 7/27/2023	Analysis D	ate: 7/2	28/2023	5	SeqNo: 3	590173	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	61.9	130			
Surr: DNOP	5.0		5.000		99.7	69	147			

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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

2307C02 04-Aug-23

WO#:

Client: Timberwolf Environmental

Project: SJ 28 7 183 M

Sample ID: Ics-76505 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 76505 RunNo: 98640

Prep Date: 7/27/2023 Analysis Date: 8/1/2023 SeqNo: 3592408 Units: mg/Kg

%RPD Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) 25.00 0 70 25 5.0 98.9 130 Surr: BFB 2100 1000 209 15 244

Sample ID: mb-76505 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **76505** RunNo: **98640**

Prep Date: 7/27/2023 Analysis Date: 8/1/2023 SeqNo: 3592409 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 980 1000 98.4 15 244

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

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2307C02**

04-Aug-23

Client: Timberwolf Environmental

Project: SJ 28 7 183 M

Sample ID: Ics-76505	Samp1	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 765	505	F	RunNo: 98	3640				
Prep Date: 7/27/2023	Analysis [Date: 8/	1/2023	9	SeqNo: 3	592421	Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.8	70	130			
Toluene	0.86	0.050	1.000	0	86.0	70	130			
Ethylbenzene	0.88	0.050	1.000	0	88.1	70	130			
Xylenes, Total	2.6	0.10	3.000	0	88.1	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	39.1	146			

Sample ID: mb-76505	Samp1	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: 76	505	F	RunNo: 98	3640				
Prep Date: 7/27/2023	Analysis D	Date: 8/	1/2023	5	SeqNo: 3	592422	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	39.1	146			

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

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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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

Released to Imaging: 3/4/2024 9:08:53 AM

Client Name: Timberwolf En	vironmental Work Order N	lumber: 2307C02		RcptNo: 1	
Received By: Tracy Casarre	ubias 7/26/2023 6:35	:00 AM			
Completed By: Tracy Casarre	ıbias 7/26/2023 9:55	:49 AM			
Reviewed By: 7h7/26	23				
Chain of Custody					
1. Is Chain of Custody complete	?	Yes 🗌	No 🗹	Not Present	
2. How was the sample delivered	j?	Courier			
Log In					
Was an attempt made to cool	the samples?	Yes 🗹	No 🗌	NA 🗌	
4. Were all samples received at	a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in proper container	(s)?	Yes 🗸	No 🗆		٠
6. Sufficient sample volume for in	ndicated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and	ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bo	ttles?	Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with he	eadspace <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample containers i	received broken?	Yes 🗆	No 🗸	# of preserved	
11. Does paperwork match bottle (Note discrepancies on chain o		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12	unless noted)
2. Are matrices correctly identifie	d on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	== = ,
3. Is it clear what analyses were	requested?	Yes 🗸	No 🗌	1 cm	MAG
4. Were all holding times able to (If no, notify customer for auth		Yes 🗹	No 🗌	Checked by:	01/04
Special Handling (if applic				1	
15. Was client notified of all discr	-	Yes 🗌	No 🗌	NA 🗹	
Person Notified:		Date:			
By Whom:		/ia: 🗌 eMail 🗌 F	hone 🗌 Fax	☐ In Person	
Regarding:				Security of a security of the security of	
Client Instructions: Ma	iling address, phone number an	d project manager are	missing on CO	C- tMC 7/26/23	
16. Additional remarks:					
	Condition Seal Intact Seal I	No Seal Date	Signed By		
1 1.9 G	ood Yes Yogi				

C	hain-	of-Cu	stody Record	Turn-Around	Time:	To n \$			1191	н	ΙΔΙ	LL	Εľ	V	TR	20	NN	1E	NT	AL	
Client:	Tim	bows	14	(X) Standard	□ Rush				\exists											DRY	
	/	<i>y</i>		Project Name										ronn							
Mailing	Address	:		55	28-7.	#183M		490)1 H	awki	ns N	IE -	Alb	uque	erque	e, Ni	M 87	109			
				Project #:						5-34							4107		ii. Notesti		
Phone	#:	/ /		19	0007							Α	naly	sis	Req	uest					
		145@	team timberwolf, con	Project Mana	ager:		<u>E</u>	(Q)					SO4		-46	ar E	5×1/0		eΩ		
The same of the sa	Package:						TMB's (8021)	/ MF	PCB's		₩S		PO4, \$			Abse		- 11 -			
□ Star	ndard		☐ Level 4 (Full Validation)				B's	잁			70S					ent/					
Accred			ompliance	Sampler:	M Vee	□ No umi	Į₽		808	1.4	or 8270SIMS		NO ₂ ,		8	Pres					
□ NEL	.AC (Type) _.	☐ Other		On Ice: # of Coolers:	Yes \	No um	H /	GR(ides)d 5(100	itals	တ္ခ်		9	E					
) (1960) <u>.</u>				O(Including CF): 2.()-0.1=1.9 (°C)	Ψ	15D	-stic	et	y 83	3 Me	Br, NO ₃ ,	Q Q	èmi	olifo	1				
				Container	Preservative		BTEX / MTBE	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310	RCRA 8 Metals	CI, F, E	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	0				
Date	Time	Matrix	Sample Name	Type and #	Туре	2307602	100	Æ	<u></u>	皿	<u>a`</u>	22	ပ	<u> </u>	<u> </u>	Ė		\dashv	-		_
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Date: 7/ 25/2	Time:	Relinquis	hed by:	Received by:	Via: coun	Date Time 6:35											E.				



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 02, 2023

Jim Foster Timberwolf Environmental 1920 W Villa Maria Ste 205 Bryan, TX 77807

TEL: (979) 324-2139

FAX:

RE: SJ 28 7 183 M OrderNo.: 2310C86

Dear Jim Foster:

Eurofins Environment Testing South Central, LLC received 3 sample(s) on 10/27/2023 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 www.hallenvironmental.com 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 qualifiers 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 do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2310C86

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: CS1

SJ 28 7 183 M **Project: Collection Date:** 10/26/2023 1:35:00 PM 2310C86-001 Lab ID: Matrix: SOIL Received Date: 10/27/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: PRD
Diesel Range Organics (DRO)	12	9.4	mg/Kg	1	10/31/2023 10:59:54 AM	<i>I</i> 78449
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/31/2023 10:59:54 AM	<i>I</i> 78449
Surr: DNOP	108	69-147	%Rec	1	10/31/2023 10:59:54 AM	<i>I</i> 78449
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	8.1	4.7	mg/Kg	1	10/31/2023 3:49:00 PM	78421
Surr: BFB	184	15-244	%Rec	1	10/31/2023 3:49:00 PM	78421
EPA METHOD 8021B: VOLATILES					Analyst	: KMN
Benzene	ND	0.024	mg/Kg	1	10/31/2023 3:49:00 PM	78421
Toluene	ND	0.047	mg/Kg	1	10/31/2023 3:49:00 PM	78421
Ethylbenzene	ND	0.047	mg/Kg	1	10/31/2023 3:49:00 PM	78421
Xylenes, Total	ND	0.094	mg/Kg	1	10/31/2023 3:49:00 PM	78421
Surr: 4-Bromofluorobenzene	102	39.1-146	%Rec	1	10/31/2023 3:49:00 PM	78421

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

- 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
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Analytical Report Lab Order 2310C86

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: CS2

 Project:
 SJ 28 7 183 M
 Collection Date: 10/26/2023 2:10:00 PM

 Lab ID:
 2310C86-002
 Matrix: SOIL
 Received Date: 10/27/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: PRD
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/31/2023 11:10:26 AM	1 78449
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/31/2023 11:10:26 AN	1 78449
Surr: DNOP	116	69-147	%Rec	1	10/31/2023 11:10:26 AM	1 78449
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: KMN
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/31/2023 4:11:00 PM	78421
Surr: BFB	112	15-244	%Rec	1	10/31/2023 4:11:00 PM	78421
EPA METHOD 8021B: VOLATILES					Analyst	: KMN
Benzene	ND	0.023	mg/Kg	1	10/31/2023 4:11:00 PM	78421
Toluene	ND	0.046	mg/Kg	1	10/31/2023 4:11:00 PM	78421
Ethylbenzene	ND	0.046	mg/Kg	1	10/31/2023 4:11:00 PM	78421
Xylenes, Total	ND	0.092	mg/Kg	1	10/31/2023 4:11:00 PM	78421
Surr: 4-Bromofluorobenzene	89.7	39.1-146	%Rec	1	10/31/2023 4:11:00 PM	78421

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

- 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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Analytical Report Lab Order 2310C86

Date Reported: 11/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Timberwolf Environmental Client Sample ID: CS3

 Project:
 SJ 28 7 183 M
 Collection Date: 10/26/2023 2:40:00 PM

 Lab ID:
 2310C86-003
 Matrix: SOIL
 Received Date: 10/27/2023 7:30:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	PRD
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/31/2023 11:21:00 AM	l 78449
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/31/2023 11:21:00 AM	l 78449
Surr: DNOP	109	69-147	%Rec	1	10/31/2023 11:21:00 AM	78449
EPA METHOD 8015D: GASOLINE RANGE					Analyst	KMN
Gasoline Range Organics (GRO)	15	4.7	mg/Kg	1	10/31/2023 4:33:00 PM	78421
Surr: BFB	193	15-244	%Rec	1	10/31/2023 4:33:00 PM	78421
EPA METHOD 8021B: VOLATILES					Analyst	KMN
Benzene	ND	0.023	mg/Kg	1	10/31/2023 4:33:00 PM	78421
Toluene	ND	0.047	mg/Kg	1	10/31/2023 4:33:00 PM	78421
Ethylbenzene	ND	0.047	mg/Kg	1	10/31/2023 4:33:00 PM	78421
Xylenes, Total	ND	0.094	mg/Kg	1	10/31/2023 4:33:00 PM	78421
Surr: 4-Bromofluorobenzene	103	39.1-146	%Rec	1	10/31/2023 4:33:00 PM	78421

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

- 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
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310C86 02-Nov-23

WO#:

Client: Timberwolf Environmental

Project: SJ 28 7 183 M

	103 111		
Sample ID: LCS-78449	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 78449	RunNo: 100863	
Prep Date: 10/30/2023	Analysis Date: 10/31/2023	SeqNo: 3700786 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	Qual
Diesel Range Organics (DRO)	59 10 50.00	0 117 61.9 130	
Surr: DNOP	7.4 5.000	148 69 147	S
Sample ID: MB-78449	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 78449	RunNo: 100863	
Prep Date: 10/30/2023	Analysis Date: 10/31/2023	SeqNo: 3700789 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	11 10.00	115 69 147	
Sample ID: LCS-78476	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: LCSS	Batch ID: 78476	RunNo: 100868	
Prep Date: 10/31/2023	Analysis Date: 11/1/2023	SeqNo: 3701935 Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	Qual
Surr: DNOP	6.0 5.000	120 69 147	
Sample ID: MB-78476	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	
Client ID: PBS	Batch ID: 78476	RunNo: 100868	
Prep Date: 10/31/2023	Analysis Date: 11/1/2023	SeqNo: 3701938 Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	Qual
Surr: DNOP	12 10.00	119 69 147	

- 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
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310C86 02-Nov-23

WO#:

Client: Timberwolf Environmental

Project: SJ 28 7 183 M

Sample ID: Ics-78421 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 78421 RunNo: 100865

Prep Date: 10/27/2023 Analysis Date: 10/31/2023 SeqNo: 3700821 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 24 5.0 25.00 n 94.2 70 130

 Gasoline Range Organics (GRO)
 24
 5.0
 25.00
 0
 94.2
 70
 130

 Surr: BFB
 2200
 1000
 221
 15
 244

Sample ID: mb-78421 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **78421** RunNo: **100865**

Prep Date: 10/27/2023 Analysis Date: 10/31/2023 SeqNo: 3700822 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 108 15 244

- 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
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

2310C86 02-Nov-23

WO#:

Client: Timberwolf Environmental

Project: SJ 28 7 183 M

Sample ID: Ics-78421	SampT	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batch	h ID: 78 4	121	F	RunNo: 10	00865				
Prep Date: 10/27/2023	Analysis D	Date: 10	/31/2023	5	SeqNo: 37	700798	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.025	1.000	0	79.4	70	130			
Toluene	0.81	0.050	1.000	0	81.2	70	130			
Ethylbenzene	0.84	0.050	1.000	0	83.6	70	130			
Xylenes, Total	2.5	0.10	3.000	0	82.9	70	130			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	39.1	146			

Sample ID: mb-78421	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: 78 4	421	F	RunNo: 10	00865				
Prep Date: 10/27/2023	Analysis [Date: 10	/31/2023	5	SeqNo: 37	700799	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	39.1	146			

- 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
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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

Released to Imaging: 3/4/2024 9:08:53 AM

Client Name: Timberwolf En	vironmental Wo	rk Order Numb	per: 2310C86		RcptNo:	1
Received By: Cheyenne Ca	ason 10/27	/2023 7:30:00	AM	Chul		
Completed By: Cheyenne Ca	ason 10/27	/2023 7:49:56	AM	Chul		
Reviewed By: SCM	0/97/23					
Chain of Custody						
1. Is Chain of Custody complete	?		Yes 🔽	No 🗌	Not Present	
2. How was the sample delivered	d?		Client			
<u>Log In</u>				(🖂	
3. Was an attempt made to coo	I the samples?		Yes 🗹	No 🗌	NA 🗌	
4. Were all samples received at	a temperature of >0°	C to 6.0°C	Yes 🗸	No 🗌	na 🗆	
5. Sample(s) in proper containe	r(s)?		Yes 🗸	No 🗌		
6. Sufficient sample volume for	ndicated test(s)?		Yes 🗹	No 🗌		
7. Are samples (except VOA and	d ONG) properly prese	rved?	Yes 🗸	No 🗌		
8. Was preservative added to be	ottles?		Yes	No 🗹	NA 🗆	
9. Received at least 1 vial with h	eadspace <1/4" for AC	VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample containers	received broken?		Yes 📙	No 🗹	# of preserved	
11. Does paperwork match bottle			Yes 🗸	No 🗆	bottles checked for pH:	12 unless noted)
(Note discrepancies on chain	-		Yes 🗸	No 🗆	Adjusted?	12 unless noteop
12. Are matrices correctly identification13. Is it clear what analyses were		y ?	Yes ✓	No 🗆		
14. Were all holding times able to			Yes 🗹	No 🗌	Checked by:	w10/27
(If no, notify customer for auti			ies <u>w</u>	110 🗀 📗		71
Special Handling (if appli						
15. Was client notified of all disc	repancies with this ord	nov.	Yes 📙	No 🗌	NA 🗹	
Person Notified:	THE A VISIT DATE OF THE PROPERTY OF THE PARTY.	Date:		D	E la Damas	
By Whom:		Via:	eMail	Phone Fax	In Person	
Regarding: Client Instructions:						
16. Additional remarks:						
17 0 1 1 ()						
17. Cooler Information Cooler No Temp °C	Condition Seal Inta	ct Seal No	Seal Date	Signed By		
	Good Yes	Morty	Jou. Duto	J.gJu D,		
2 4.2	Good Yes	Morty				

Chain-of-Custody Record					Turn-Around Time:					Н	AL	L	EN'	VI	RO	NM	EN-	ΓAL			
Client: Timbewelf Env Mailing Address:				☐ Standard	□ Standard □ Rush 3 D Ay Project Name: ST 28-7 #183 M				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com												
				STá	ST28-7 = 183M			4901 Hawkins NE - Albuquerque, NM 87109													
The second secon			Project #:				Tel. 505-345-3975 Fax 505-345-4107														
Phone #: 979 - 324 - 2139				19	190007				Analysis Request												
email or Fax#: /aba team timber wif. com QA/QC Package: XDStandard				Project Manager:				PCB's		8270SIMS	Mill Mill Lot	, PO ₄ , SO ₄		8270 (Semi-vOA) Total Coliform (Present/Absent)							
Accreditation: Az Compliance Description: Other			Sampler: On Ice:	On Ice: Yes I No Marky			GRO / DRO / MRO	des/8082	d 504.1)			O ₃ , NO ₂ ,	100	wow) m (Prese		1 1 1 1 1	577				
	(Type)			# of Coolers Cooler Temp		6-0.2=2.4 ((C)	-15	8081 Pesticides/8082	EDB (Method 504.1)	PAHs by 8310 or	~	Cl, F, Br, NO ₃ ,	(AOV) 00	8270 (Semi-VOA) Total Coliform (Pr						
Date	Time	Matrix	Sample Name	Type and #	Type	2310086		1/5	8	日	PA	8	<u> </u>	3 6	2 P						
26/23	1335	3	CS1	1402	1ce	001	V	47	1				_	_	150 1170	IO PALLE MELL					
a/21/12	1410		CS2	1-402	ice	002		1				Negot etc	erinan anic		d 3. y 3.33	(6 ho an	79 1817	 	1		
26/23	1440	-	CS3	1-402	1 ce	003	1	1	-				ed and a		or simples	Chell M CH	A the divine the state of the s	\vdash	ī		
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					Ben Forthern B	n Skur open err 's 's 's' St		+	+-				(BE 27) 367	1 1 2 1	AND PLAN	e compression	tion of the	1950 1873 19			
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	-		or constant sites to		CALL CALLS	to the property of the state of	LUTS:		+			1100		VI .	e de electro	A TOLON	100				
Date:	Time:	Relinquis	free	Received by:	Via:	Date Time 10/20/23 / 63 Date Time	S R	emar	ks:	- 114			Account (Account (Acc		The same of the sa						
Ru/2	1834	Ru	students	One	Couns 1	0/27/23 073	0								1000		1. 4la al				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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 285567

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	285567
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation closure report via SVE is approved. Release resolved.	3/1/2024