

Spill Dimensions to Volume of Release			
Input	volume of affected soil	[feet^3]	72814.00
Input	Porosity: typically is .35 to .40 for most soils	[-]	0.35
Input	Proportion of porosity filled with release fluid [0,1]	[-]	0.10
Output	volume of fluid	[feet^3]	2548.5
		[gal]	19064.0
		Barrels	453.9

From GIS	
Sq. Ft	20804
Depth (ft)	3.5
Cu. Ft	72814



July 19, 2024

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

RE: Revised Remediation and Reclamation Workplan
Incident ID: nAPP2223549434
Section 35 Water Transfer Line
Project ID: 20220819-vintage-section35

NMOCD:

McNabb Partners LLC submits this remediation and reclamation workplan on behalf of Vintage Drilling, LLC.

The release occurred on August 19, 2022 from a separation at a poly fuse of the water transfer line. The calculated volume of the release was estimated between 100 and 500 bbls of produced water. No fluids were recovered. Surface is privately owned.

This report presents a revision of the Remediation Plans previously submitted to NMOCD and denied. Communications are located in Appendix A.

Site characterization completed by R T Hicks Consultants is also summarized, with additional depth to water information to support closure criteria.

A variance request for a sample grid size of 300 square feet is included.

1. Characterization

The following sections address items as described in 19.15.29.11.A, paragraphs 1- 4. Please refer to attached table below for additional setback criteria and verification (Plates 2-9).

1.1. Site Map

Plate 1 shows the mapped release extent in an off-site area. Based on location of mapped flowline, topography and current site assessment, the source of the release is presumed to be located at approximately 32.7047400, -104.3601660 (Lat, Long; NAD83) and likely flowed to the east. The release extent covered an area of approximately 20,806 sq. ft.

Figures 1 and 2 show current views of the release area.



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Figure 1: View of release area facing west from the eastern extent



Figure 2: View of source facing east from within the western extent of the release area.

1.2. Depth to Ground Water

The nearest measurement of depth to water is from a soil boring which was drilled by Taylor Water Well Service in May 2023 to a depth of 102 ft bgs. It was drilled at the site of L-11 sample location within the release extent. The boring is identified on Plate 2 as Misc-439 (RA 13327 POD 2). Depth to water gauged at 77-feet below ground surface (bgs). This boring has been plugged. The driller log is located in Appendix B.



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1.3. Wellhead Protection Area

Plate 3 shows that the release extent is:

- Not within incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within ½-mile of any documented water sources (wells and springs). The water well RA-04022 is located 0.41 miles to the northeast and RA-90209/RA-90210 are located 0.46 miles to the southeast of the location. Base on available OSE records and location these wells are for domestic/stock use only.
- Not 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.
- Not within 1000 feet of any other freshwater well or spring.

1.4. Distance to Nearest Significant Water Course

Plate 4 shows that the release extent is:


- Not within ½ mile of a significant water course. The closest watercourse (Pecos River) is located 1.39 miles east/southeast of the release extent.
- Not within 300 feet of a continuously flowing watercourse or any other significant watercourse.
- Not within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

Site Characterization		
What is the shallowest depth to groundwater (ft bgs)	Plate 2	77
What measure was used to determine this?		OSE Database
Did this release impact ground or surface water?		No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
• A continuously flowing watercourse or any other significant watercourse.	Plate 4	1.39 miles to the SW
• Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark).	Plate 4	2.6 miles to NE (not seen on map extent)
• An occupied permanent residence, school, hospital, institution or church.	Plate 5	Ranch 2125 ft to SE Multiple Ranches outside of ½ mile buffer
• A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes.	Plate 3	0.41 miles to the NE 0.46 miles to the SE
• Any other fresh water well or spring.	Plate 3	0.41 miles to the NE 0.46 miles to the SE

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<ul style="list-style-type: none"> Incorporated municipal boundaries or a defined municipal fresh water well field. Plate 3 	>5 miles; (not seen on map extent)
<ul style="list-style-type: none"> A wetland. Plate 6 	1 mile West SW
<ul style="list-style-type: none"> A subsurface mine. Plate 7 	>5 miles
<ul style="list-style-type: none"> A (non-karst) unstable area. 	>1 miles
<ul style="list-style-type: none"> Categorize the risk of this well/site being in a karst geology. Plate 8 	Medium
<ul style="list-style-type: none"> A 100-year floodplain. Plate 9 	1.2 miles to the east
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

1.5. Soil/Waste Characteristics

The USDA Natural Resources Conservation Service (NRCS) soil survey¹ describes the upper 7-feet of lithology as:

Reagan Loam, 1 to 3% slopes, eroded: with a composition of

- o H1 - 0 to 8 inches: loam
- o H2 - 8 to 82 inches: loam

The lithology as described by the NRCS is consistent with drillers log (Appendix B).

Sampling events for site characterization and delineation were completed by R T Hicks Consultants. Summary of analytical for events dated 9/28/2022, 12/20/2022, 05/31/2023 and 12/20/2023 and are included in Table A. Plate 10 shows the sample point locations which were consistent for each sample event. Certificates of analysis are included in Appendix C.

Soil samples were obtained at each sample location from borings at various depths for laboratory analysis of chloride, TPH, Benzene, and BTEX.

Horizontal delineation was confirmed with laboratory analysis confirming most stringent closure criteria listed below at:

- L-2: SSA-2 (9/28/2022; 0-4 ft and 4.3 ft depths)
- L-12: SSA-12 (9/28/2022; 0-4 ft and 4.3 ft depths)
- L-14: SSA-14 (9/28/2022; 0-4 ft and 4.3 ft depths)
- L17: SSA-17 (9/28/2022; 0-4 ft and 4.3 ft depths)

Two areas within the release extent showed that the level of impact did not exceed the most stringent closure criteria as seen in Table 1 of 19.15.29 NMAC as shown in table below.

- L-6: SSA-6 (9/28/2022; 0-4 ft and 4.3 ft depths)
- L-9: SSA-9 (9/28/2022; 0-4 ft and 4.3 ft depths) – within an area that did not appear to have release impact.

¹ NRCS Field Guide and the NRCS web survey tool (<https://websoilsurvey.nrcs.usda.gov/app/>)



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Vertical delineation was limited to:

- L-4: SSA-4 (9/28/2022; 4.3 ft depth).
- L-5: SSA-5 - Hydrocarbon delineation at 4.3 ft (9/28/2022).
- L-7: SSA-7 - Hydrocarbon delineation at 4.3 ft (9/28/2022).
- L-11: SSA-11 – Hydrocarbon delineation at 9 ft (12/20/2022).

Serial soil sampling at the same locations implies downward movement of chlorides over time. Vertical delineation will be achieved at the time of remediation.

Closure Criteria as listed in Table 1 of 19.15.29 NMAC, where depth to water is 77 feet bgs, is defined as:

DTW 51-100 ft	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)
0 - 4 feet & "not in-use"	600	--	100	10	50
> 4 ft or "in-use"	10,000	1,000	2,500	10	50

2. Sample Grid Variance Request

Vintage Drilling, LLC respectfully asks NMOCD for variance approval for a 300 sq ft sampling grid for both base and wall confirmation samples.

The requested sample grid size will provide equal protection of fresh water, public health, and the environment according to the “10% Condition”² that states sample sizes should be no more than 10% of the population (release area) as long as it does not exceed 1,000³ samples. Applying the 10% Condition, a sample grid size of 300 sq ft meets this condition.

Population (sq ft area)	Sample Size (grid sq. ft.)	No. of Sample Grids	% of Population (sq. ft. area)	Representative of Population	Meets 10% Condition
20,806	200	104	1.0%	99.0%	Yes
20,806	300	69	1.4%	98.6%	Yes
20,806	400	52	2%	98%	Yes
20,806	500	42	2%	98%	Yes
20,806	1,000	21	5%	95%	Yes
20,806	2,000	10	10%	90%	Equal
20,806	3,000	7	14%	86%	No

² <https://web.ma.utexas.edu/users/mks/M358KInstr/TenPctCond.pdf>

³ <https://tools4dev.org/resources/how-to-choose-a-sample-size/>



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The proposed 300 sq. ft. sampling grid statistically provides equal significance of laboratory results as a 200 sq. ft. sampling grid for the constituents listed in Table 1 of 19.15.29 NMAC, where

- The 10% Condition is met.
- The proposed sample grid size represents 98.6% of the population (release area).

3. Remediation & Restoration Workplan

Vintage Drilling, LLC proposes to excavate the area within the release extent until all bases and walls meet closure criteria per Table 1 of 19.15.29 NMAC, where depth to water is 77 feet bgs, as summarized above.

Remediation Plan	
Requesting a remediation plan approval with this submission?	Yes
Have the lateral and vertical extents of the contamination been fully delineated (<i>attach report demonstrating lateral and vertical extents</i>)?	Horizontal delineation – yes Additional vertical delineation will be obtained during remediation
Was this release entirely contained within a lined containment area?	No
Soil Contamination Sampling (Highest observable value for each in mg/kg)	
• Chloride	22000 SSA-15 4.3 ft
• TPH (DRO+GRO+MRO)	20900 L-8 0-2 ft
• GRO+DRO	12000 L-8 0-2 ft
• BTEX	0.528 SSA-8 0-4 ft
• Benzene	<0.3
On what estimated date will the remediation commence	Within 30 days of plan approval
On what date will (or did) the final sampling or liner inspection occur	Within 60 days of initiating excavation.
On what date will (or was) the remediation completed	Within 60 days of initiating excavation.
What is the estimated surface area (in square feet) that will be reclaimed	20,806
What is the estimated volume (in cubic yards) that will be reclaimed	5704
What is the estimated surface area (in square ft) that will be remediated	20,806
What is the estimated volume (in cubic yards) that will be remediated	5704



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The remediation will (or is expected to) utilize the following processes to remediate/reduce contaminants:	
<ul style="list-style-type: none"> Excavation and off-site disposal 	Yes – Lea Land Landfill

Based on available analytical data, the following table estimated the depths of excavation for the area around each of the sampling locations within the release extent, for an estimated average of 7.11 ft excavation depth.

Sample Location	Area (Sq Ft)	Depth (ft)	Cubic Feet	Cubic Yards
L1	1000	8	8000	
L3	1400	6	8400	
L4	1500	4	6000	
L5	1700	16	27200	
L6	1950	0	0	
L7	1600	8	12800	
L8	1400	8	11200	
L9	1200	0	0	
L10	1822	10	18225	
L11	1288	16	20609	
L13	3000	6	18000	
L15	1100	8	8800	
L16	1845	8	14761	
Total	20806		153995	5704

An estimated 5704 cubic yards of material will be excavated and hauled off-site to an approved disposal facility. Remediation will begin within 30-days of workplan approval. Anticipate that project will be completed 60 days thereafter. Upon confirmation samples meeting the above closure criteria, we will submit a closure report within 45-days of laboratory results.

The area will be backfilled to contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover will include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site.



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The location will be restored, reclaimed and revegetated as an area not in use per 19.15.29.13.A-D NMAC.

Please contact me with any questions at 970-570-9535.

Sincerely,

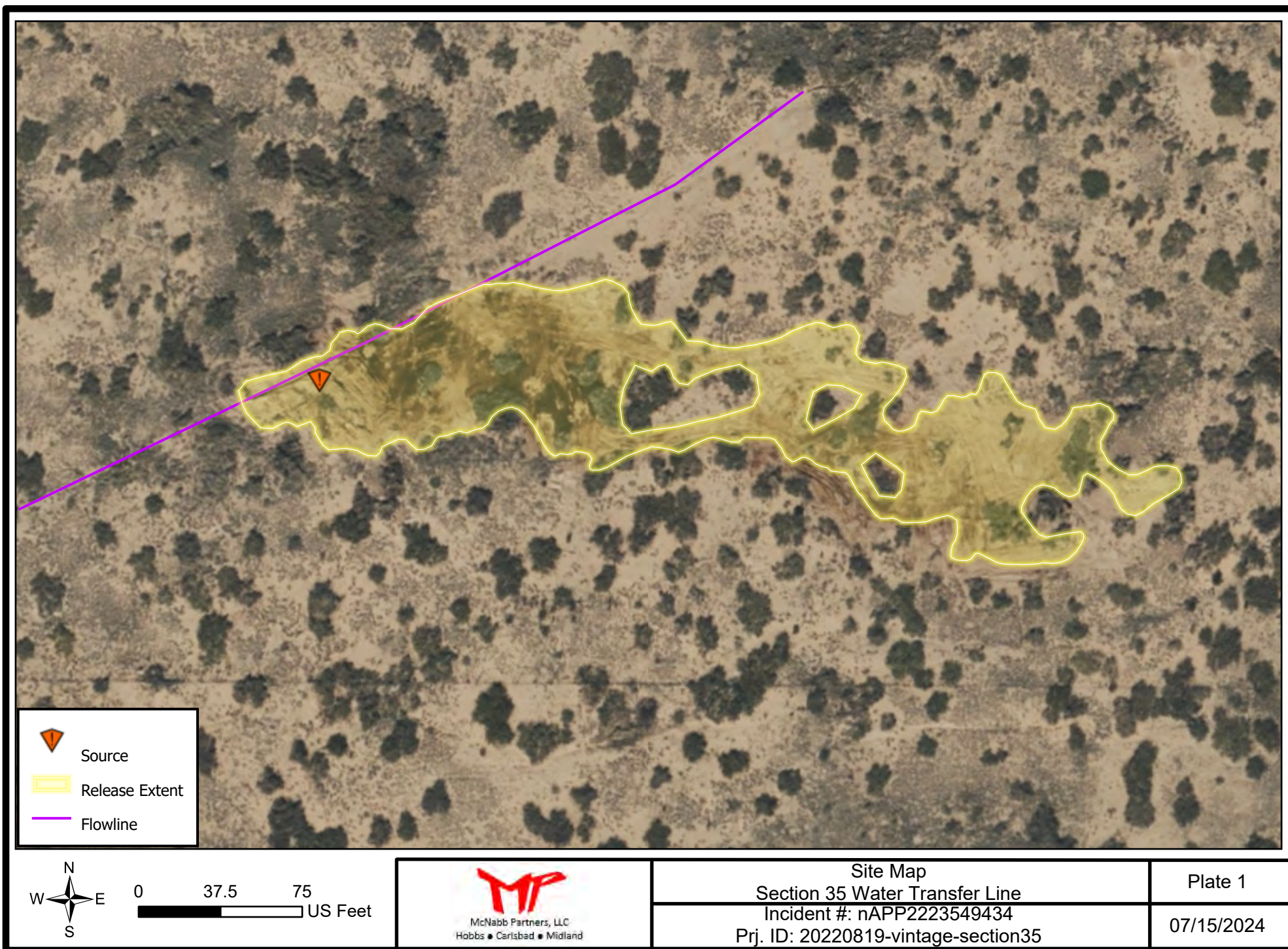
Andrew Parker
Environmental Manager
McNabb Partners
c: (970) 570-9535

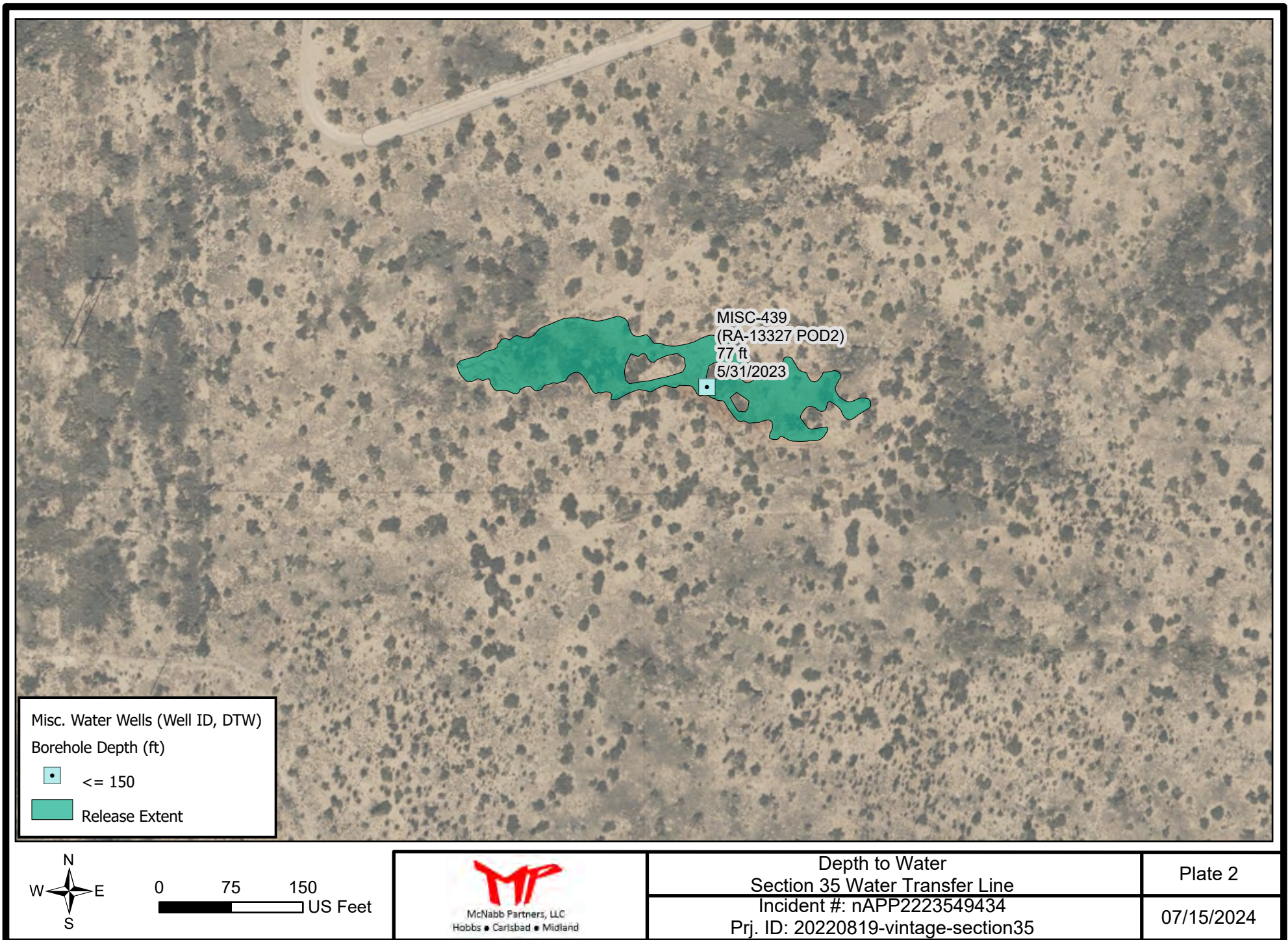
Copy: William Hope, Vintage Drilling LLC

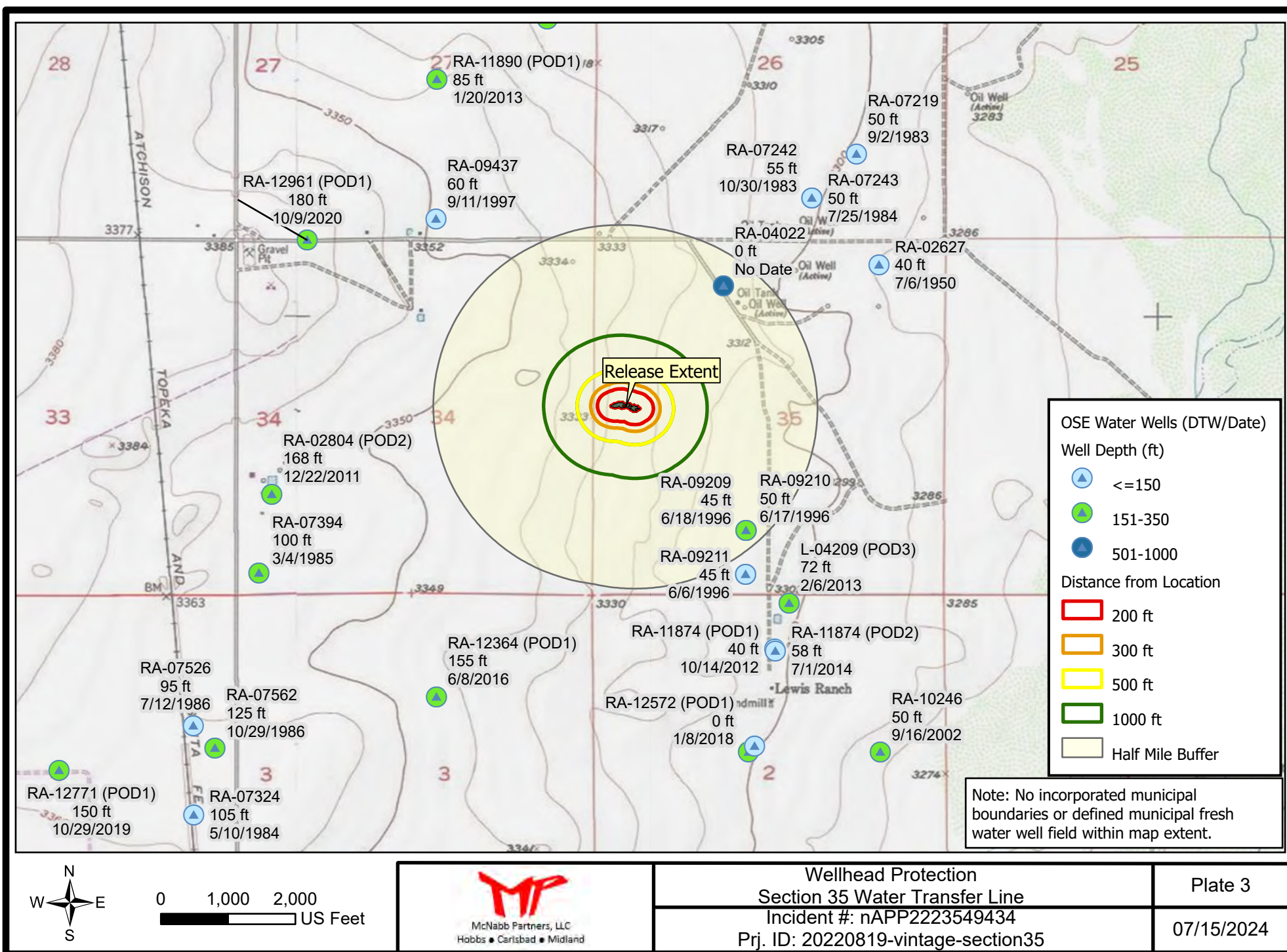
Plates

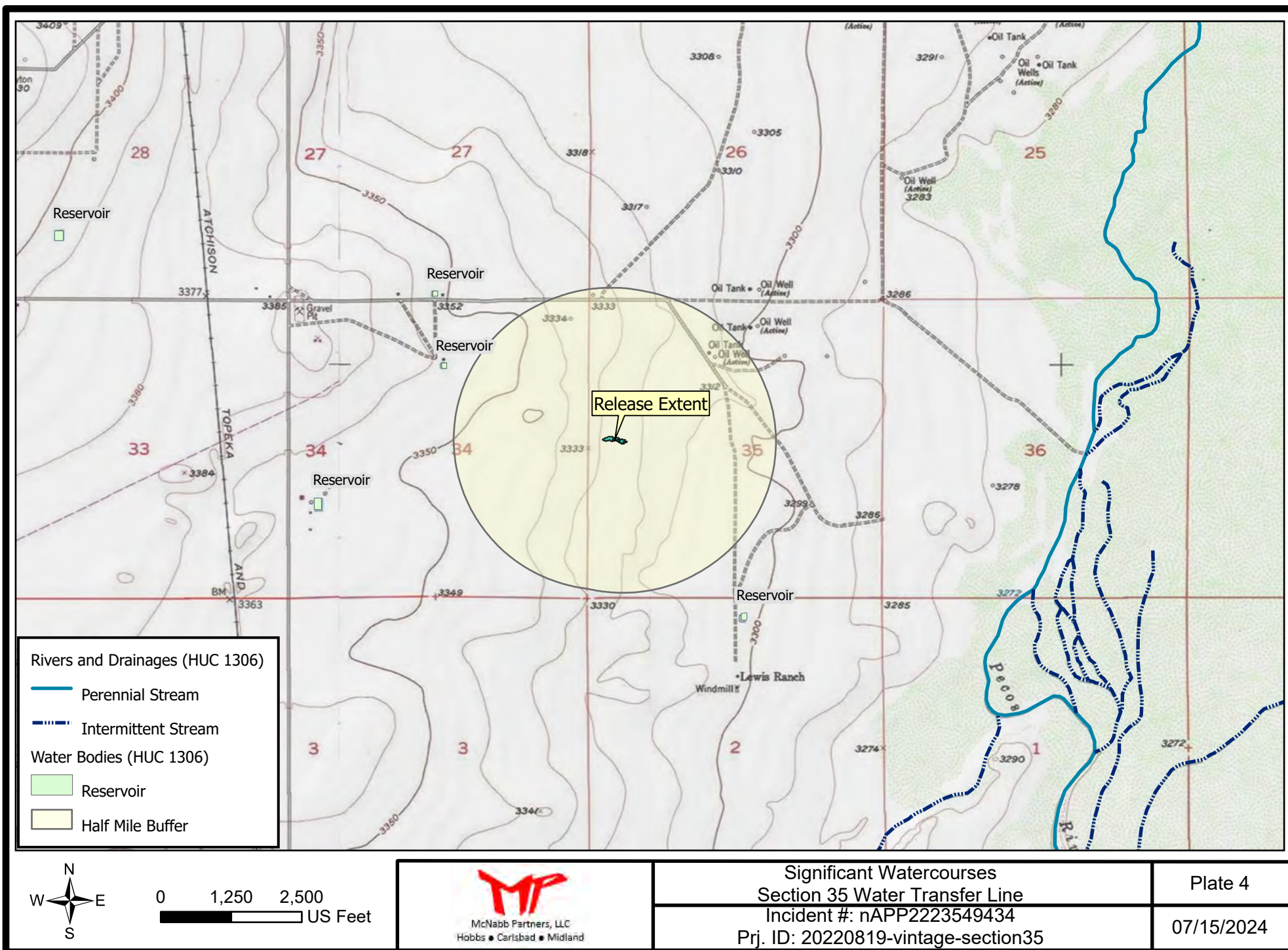


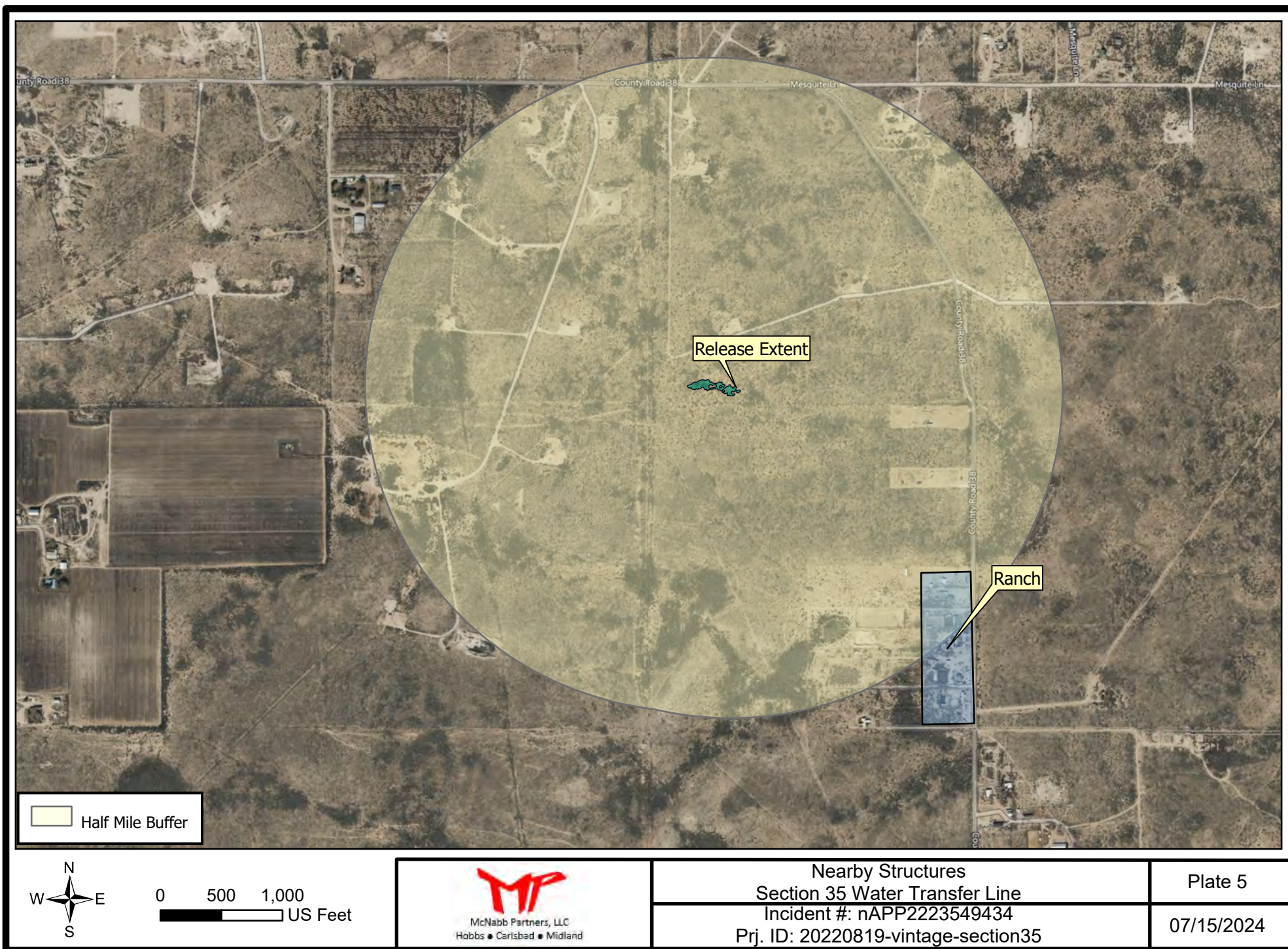
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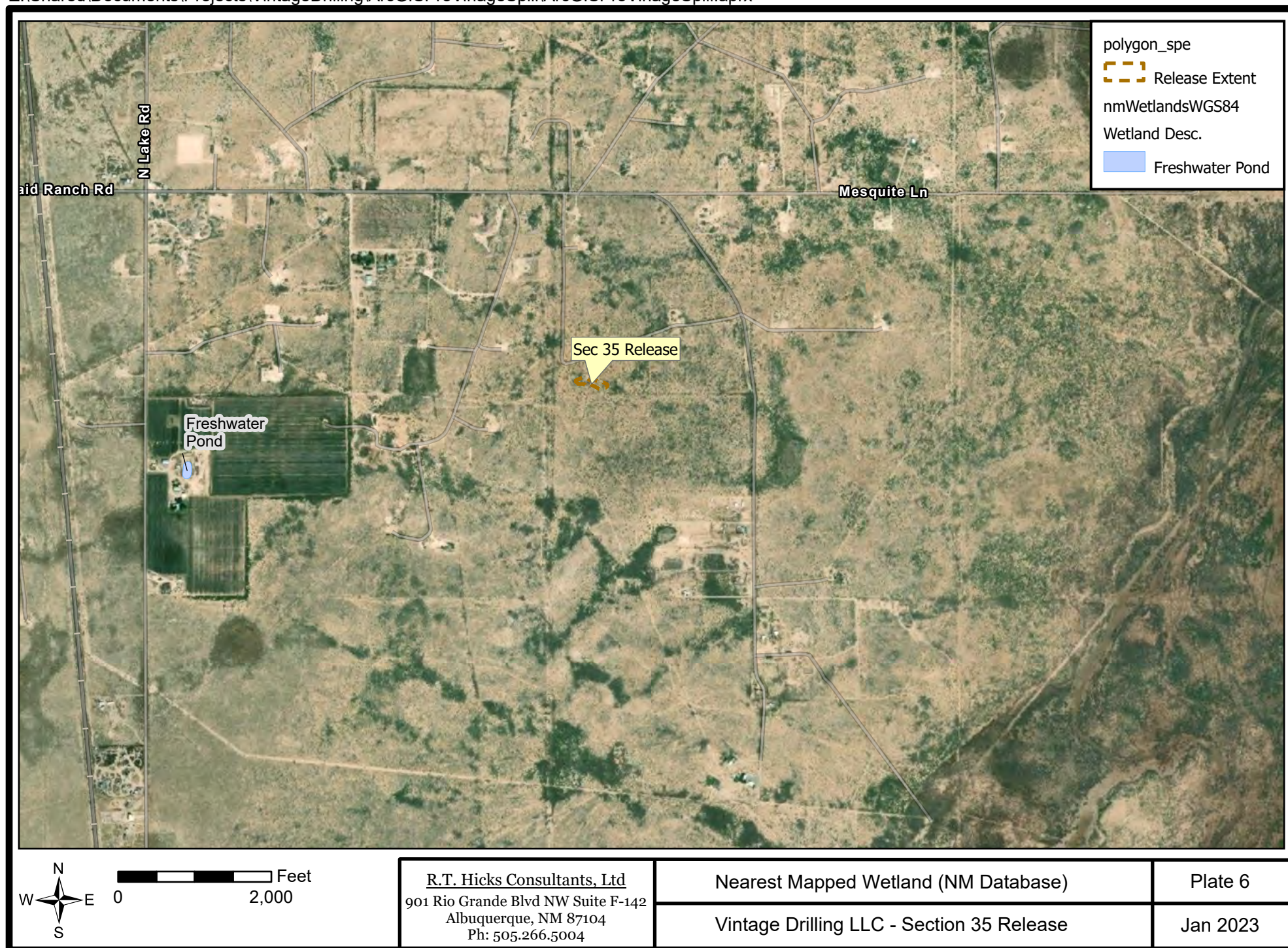




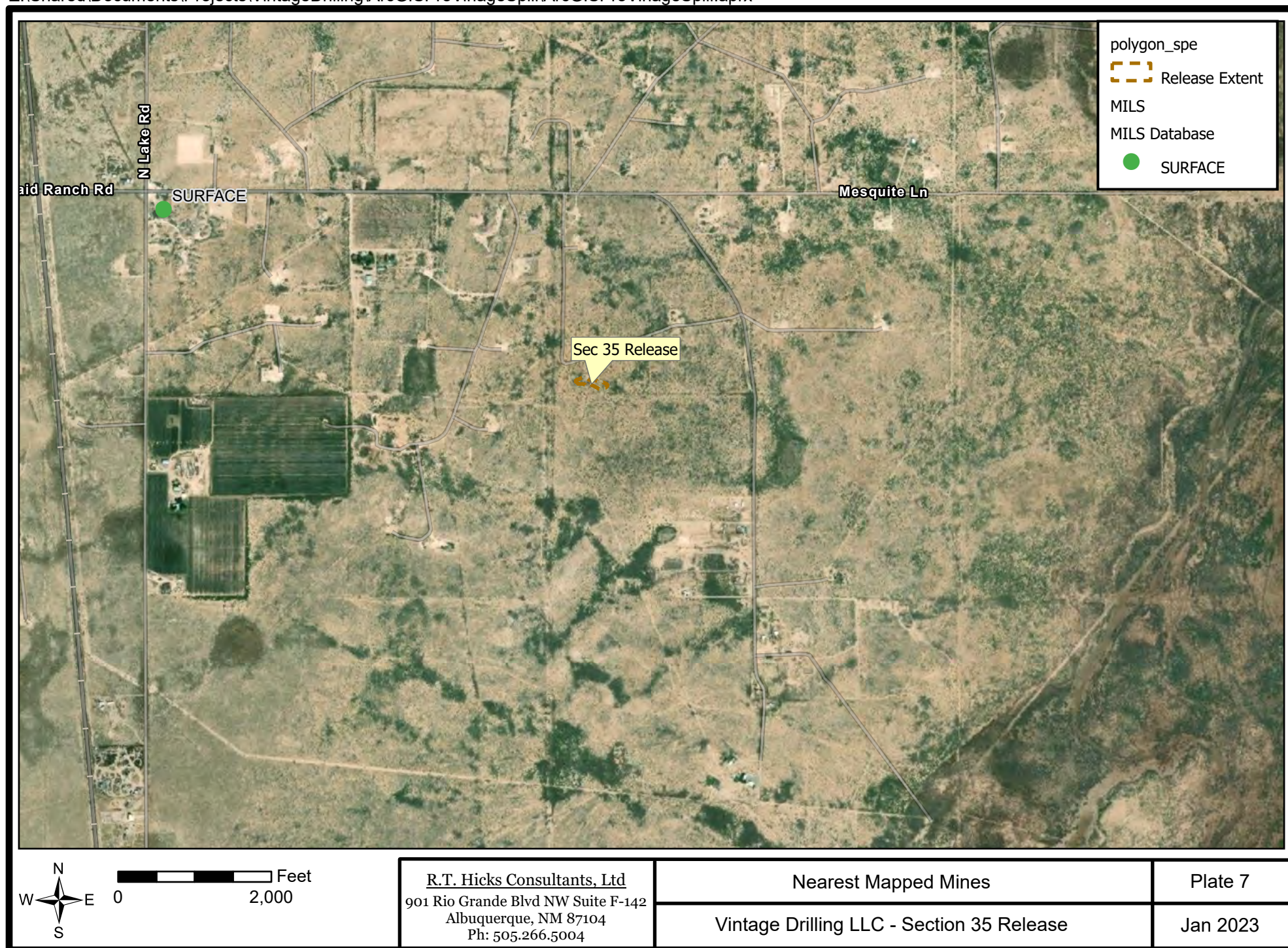




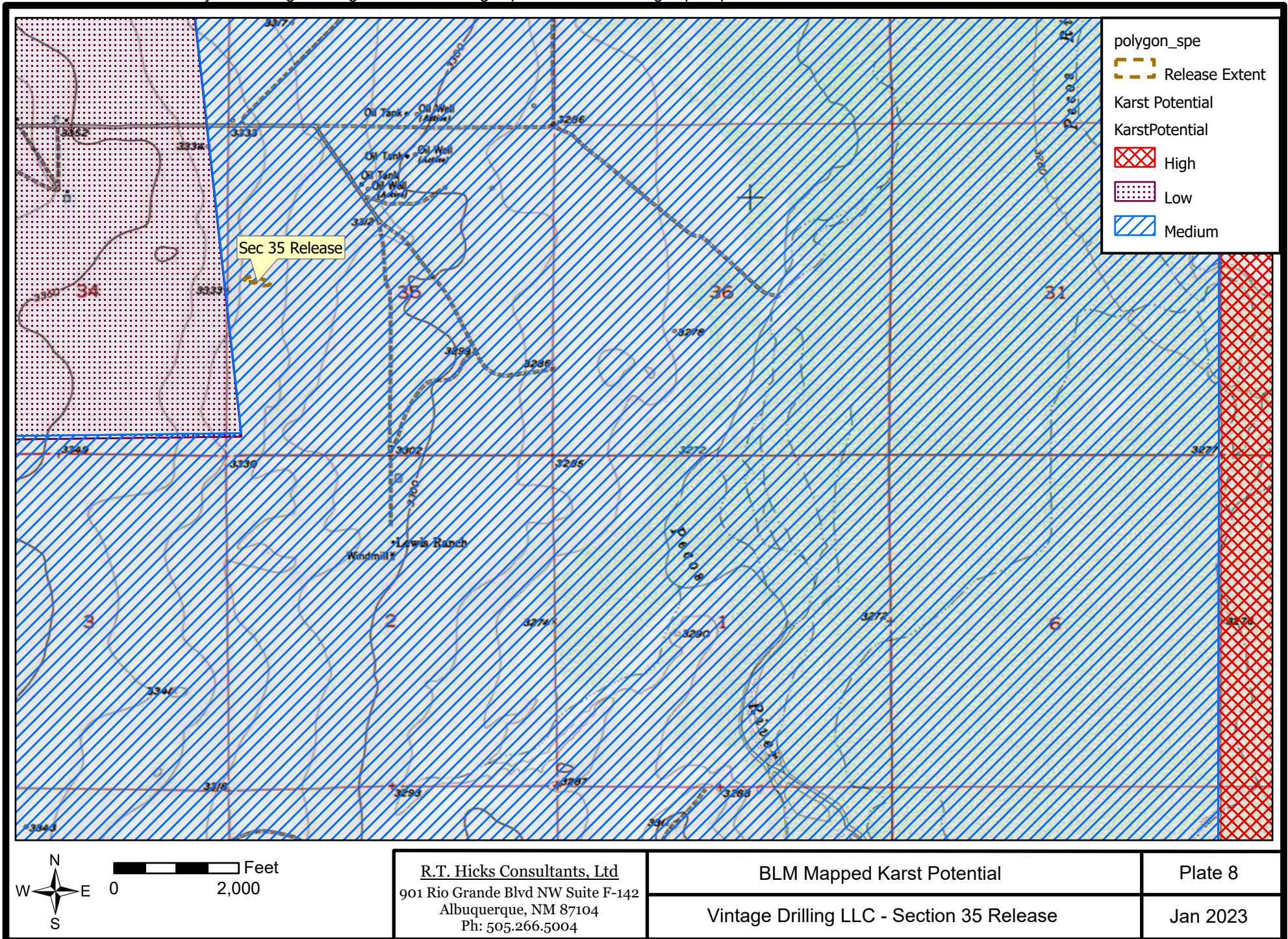
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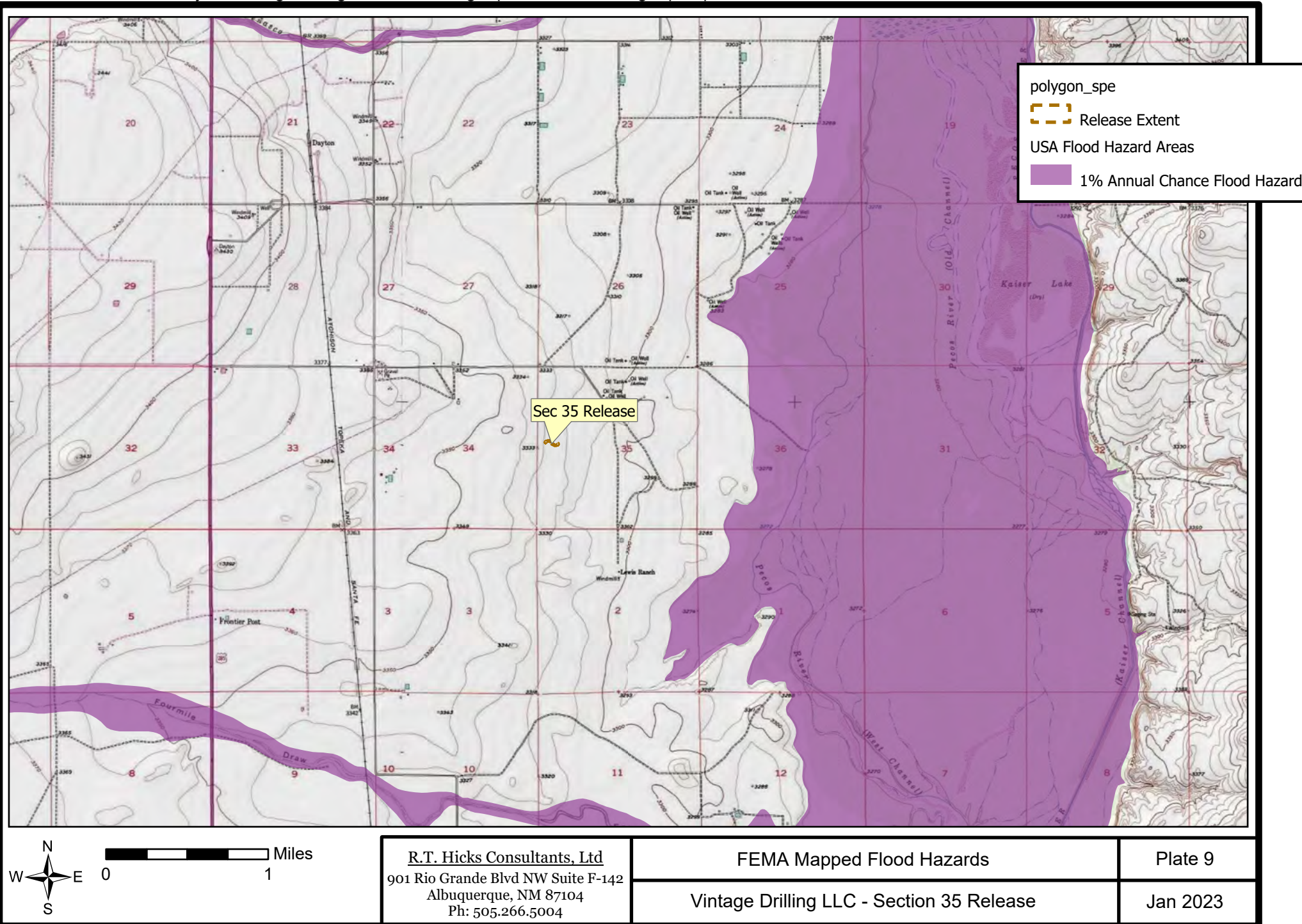
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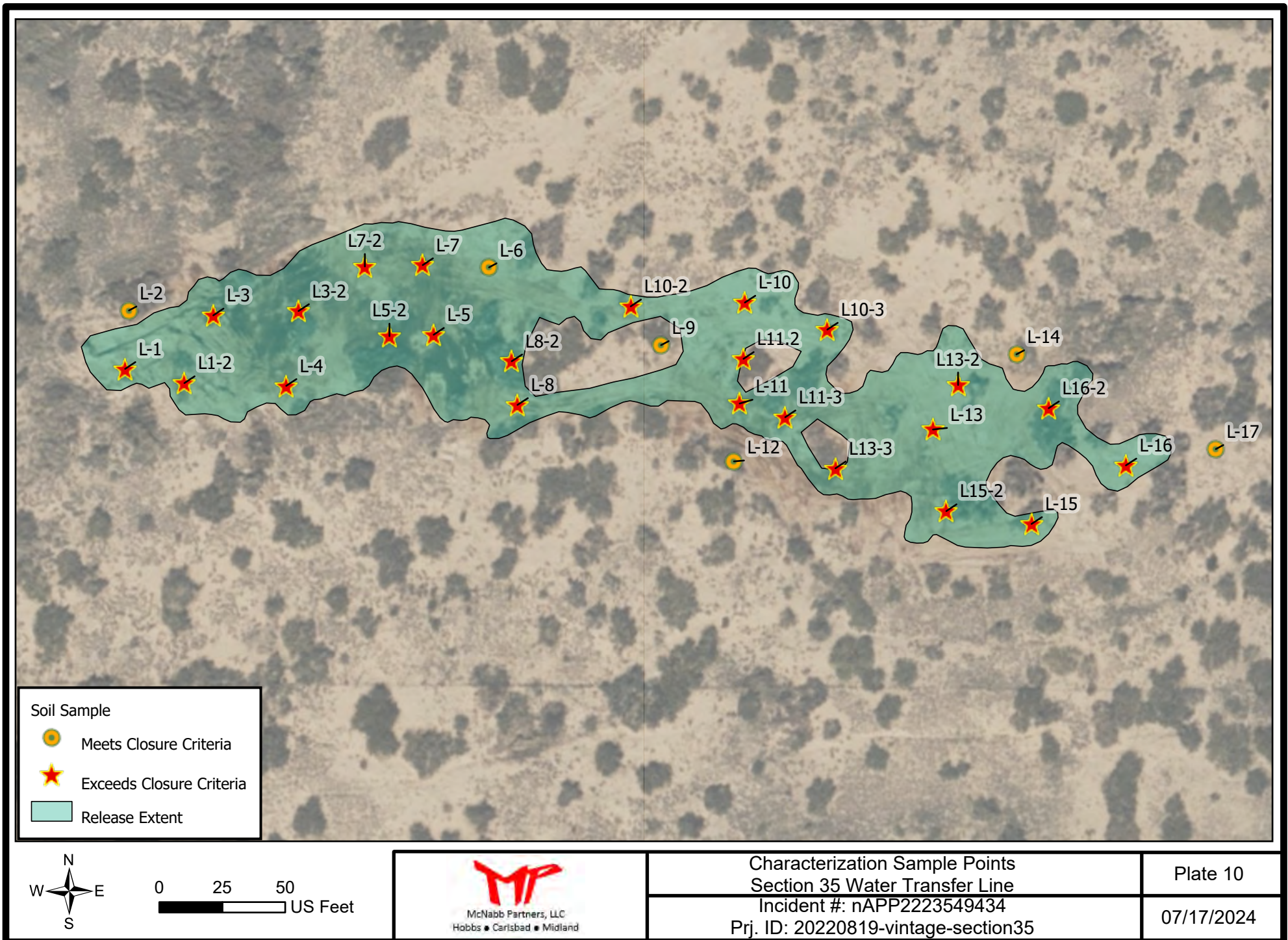


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Tables



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Table A
Summary of Analytical

Sample Location	Sample Name	Date	Discrete depth (ft)	Top Depth (ft)	Bottom Depth (ft)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO+DRO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Delineation Status	Laboratory	Lab Number
NMOCD Closure Criteria																
0 - 4 feet & "not in-use"						600				--	100	10	50			
> 4 ft or "in-use"						10,000				1,000	2,500	10	50			
L-1	SSA-1	9/28/2022		0.0	4.0	6800	0	5460	1190	5460	6650	0	0		Cardinal	H224642
	SSA-1	9/28/2022	4.3			11100	0	1500	405	1500	1905	0	0		Cardinal	H224642
	L1	12/20/2023		0.0	2.0	4000	0	5300	2600	5300	7900	0	0		Eurofins (Hall)	2312D08
	L1	12/20/2023		2.0	4.0	2900	0	3600	1800	3600	5400	0	0		Eurofins (Hall)	2312D08
	L1	12/20/2023		4.0	4.5	4700	0	5400	2700	5400	8100	0	0		Eurofins (Hall)	2312D08
L1-2	L1-2	12/20/2023		0.0	2.0	2700									Eurofins (Hall)	2312D08
	L1-2	12/20/2023		2.0	4.0	680									Eurofins (Hall)	2312D08
	L1-2	12/20/2023		4.0	4.5	1400									Eurofins (Hall)	2312D08
L-2	SSA-2	9/28/2022		0.0	4.0	48	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642
	SSA-2	9/28/2022	4.3			48	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642
L-3	SSA-3	9/28/2022		0.0	4.0	11000	0	0	0	0	0	0	0		Cardinal	H224642
	SSA-3	9/28/2022	4.3			13400	0	13.6	0	13.6	13.6	0	0		Cardinal	H224642
	L3	12/20/2023		0.0	2.0	370									Eurofins (Hall)	2312D08
	L3	12/20/2023		2.0	4.0	1300									Eurofins (Hall)	2312D08
	L3	12/20/2023		4.0	4.5	5100									Eurofins (Hall)	2312D08
L3-2	L3-2	12/20/2023		0.0	2.0	8700									Eurofins (Hall)	2312D08
	L3-2	12/20/2023		2.0	4.0	9800									Eurofins (Hall)	2312D08
	L3-2	12/20/2023		4.0	4.5	12000									Eurofins (Hall)	2312D08
L-4	SSA-4	9/28/2022		0.0	4.0	448	0	124	24.9	124	148.9	0	0		Cardinal	H224642
	SSA-4	9/28/2022	4.3			336	0	22.6	0	22.6	22.6	0	0	Vertical Delineation	Cardinal	H224642
L-5	SSA-5	9/28/2022		0.0	4.0	14000	0	811	186	811	997	0	0		Cardinal	H224642
	SSA-5	9/28/2022	4.3			17000	0	62.7	12.9	62.7	75.6	0	0		Cardinal	H224642
	L-5	12/20/2022	4.3			16000									Hall	2212C76
	L-5	12/20/2022	6.0			12000									Hall	2212C76
	L-5	12/20/2022	9.0			13000									Hall	2212C76
	L-5	12/20/2022	12.0			11000									Hall	2212C76
	L-5	12/20/2022	13.0			11000									Hall	2212C76
	L-5	5/31/2023	10.0			9900									Hall	2306128
	L-5	5/31/2023	15.0			5000									Hall	2306128
	L-5	5/31/2023	18.0			3400									Hall	2306128
	L-5	5/31/2023	25.0			1000									Hall	2306128
	L-5	5/31/2023	30.0			9700									Hall	2306128
	L-5	5/31/2023	35.0			4300									Hall	2306128
	L-5	12/20/2023		0.0	2.0	200									Eurofins (Hall)	2312D08
	L-5	12/20/2023		2.0	4.0	340									Eurofins (Hall)	2312D08
	L-5	12/20/2023		4.0	4.5	570									Eurofins (Hall)	2312D08

Table A
Summary of Analytical

Sample Location	Sample Name	Date	Discrete depth (ft)	Top Depth (ft)	Bottom Depth (ft)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO+DRO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Delineation Status	Laboratory	Lab Number
NMOCD Closure Criteria																
0 - 4 feet & "not in-use"						600				--	100	10	50			
> 4 ft or "in-use"						10,000				1,000	2,500	10	50			
L5-2	L5-2	12/20/2023		0.0	2.0	12000									Eurofins (Hall)	2312D08
	L5-2	12/20/2023		2.0	4.0	12000									Eurofins (Hall)	2312D08
	L5-2	12/20/2023		4.0	4.5	13000									Eurofins (Hall)	2312D08
L-6	SSA-6	9/28/2022		0.0	4.0	304	0	0	0	0	0	0	0	Meets Closure Criteria	Cardinal	H224642
	SSA-6	9/28/2022	4.3			2640	0	0	0	0	0	0	0	Meets Closure Criteria	Cardinal	H224642
L-7	SSA-7	9/28/2022		0.0	4.0	15800	0	320	91.4	320	411.4	0	0		Cardinal	H224642
	SSA-7	9/28/2022	4.3			17400	0	28.3	0	28.3	28.3	0	0		Cardinal	H224642
	L7	12/20/2023		0.0	2.0	2200									Eurofins (Hall)	2312D08
	L7	12/20/2023		2.0	4.0	3300									Eurofins (Hall)	2312D08
	L7	12/20/2023		4.0	4.5	2000									Eurofins (Hall)	2312D08
L7-2	L7-2	12/20/2023		0.0	2.0	12000									Eurofins (Hall)	2312D08
	L7-2	12/20/2023		2.0	4.0	12000									Eurofins (Hall)	2312D08
	L7-2	12/20/2023		4.0	4.5	13000									Eurofins (Hall)	2312D08
L-8	SSA-8	9/28/2022		0.0	4.0	8800	55.6	7160	1760	7215.6	8975.6	0	0.528		Cardinal	H224642
	SSA-8	9/28/2022	4.3			16200	0	314	64.6	314	378.6	0	0		Cardinal	H224642
	L8	12/20/2023		0.0	2.0	4000	0	12000	8900	12000	20900	0	0		Eurofins (Hall)	2312D08
	L8	12/20/2023		2.0	4.0	1500	0	1700	1300	1700	3000	0	0		Eurofins (Hall)	2312D08
	L8	12/20/2023		4.0	4.5	4700	0	6900	5300	6900	12200	0	0		Eurofins (Hall)	2312D08
L8-2	L8-2	12/20/2023		0.0	2.0	550									Eurofins (Hall)	2312D08
	L8-2	12/20/2023		2.0	4.0	2300									Eurofins (Hall)	2312D08
	L8-2	12/20/2023		4.0	4.5	1300									Eurofins (Hall)	2312D08
L-9	SSA-9	9/28/2022		0.0	4.0	112	0	0	0	0	0	0	0	Meets Closure Criteria	Cardinal	H224642
	SSA-9	9/28/2022	4.3			176	0	0	0	0	0	0	0	Meets Closure Criteria	Cardinal	H224642
L-10	SSA-10	9/28/2022		0.0	4.0	8600	0	0	0	0	0	0	0		Cardinal	H224642
	SSA-10	9/28/2022	4.3			19600	0	0	0	0	0	0	0		Cardinal	H224642
	L-10	12/20/2022	4.3			15000									Hall	2212C76
	L-10	12/20/2022	6.0			17000									Hall	2212C76
	L-10	12/20/2022	9.0			1200									Hall	2212C76
	L-10	12/20/2022	12.0			1400									Hall	2212C76
	L-10	12/20/2022	14.0			880									Hall	2212C76
	L10	12/20/2023		0.0	2.0	8700									Eurofins (Hall)	2312D08
	L10	12/20/2023		2.0	4.0	9600									Eurofins (Hall)	2312D08
	L10	12/20/2023		4.0	4.5	7300									Eurofins (Hall)	2312D08
L10-2	L10-2	12/20/2023		0.0	2.0	12000									Eurofins (Hall)	2312D08
	L10-2	12/20/2023		2.0	4.0	11000									Eurofins (Hall)	2312D08
	L10-2	12/20/2023		4.0	4.5	12000									Eurofins (Hall)	2312D08
L10.3	L10-3	12/20/2023		0.0	2.0	12000									Eurofins (Hall)	2312D08
	L10-3	12/20/2023		2.0	4.0	12000									Eurofins (Hall)	2312D08
	L10-3	12/20/2023		4.0	4.5	11000									Eurofins (Hall)	2312D08

Table A
Summary of Analytical

Sample Location	Sample Name	Date	Discrete depth (ft)	Top Depth (ft)	Bottom Depth (ft)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO+DRO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Delineation Status	Laboratory	Lab Number
NMOCD Closure Criteria																
0 - 4 feet & "not in-use"						600				--	100	10	50			
> 4 ft or "in-use"						10,000				1,000	2,500	10	50			
L-11	SSA-11	9/28/2022		0.0	4.0	13600	0	3320	746	3320	4066	0	0		Cardinal	H224642
	SSA-11	9/28/2022	4.3			16600	0	1090	208	1090	1298	0	0		Cardinal	H224642
	L-11	12/20/2022	4.3			17000	0	0	0	0	0	0	0		Hall	2212C76
	L-11	12/20/2022	6.0			17000	0	330	230	330	560	0	0		Hall	2212C76
	L-11	12/20/2022	9.0			12000	0	33	0	33	33	0	0		Hall	2212C76
	L-11	12/20/2022	12.0			12000	0	0	0	0	0	0	0		Hall	2212C76
	L-11	12/20/2022	14.0			12000	0	0	0	0	0	0	0		Hall	2212C76
	L-11	5/31/2023	10.0			8900									Hall	2306128
	L-11	5/31/2023	15.0			10000									Hall	2306128
	L-11	5/31/2023	20.0			12000									Hall	2306128
	L-11	5/31/2023	25.0			8000									Hall	2306128
	L-11	5/31/2023	30.0			2700									Hall	2306128
	L-11	5/31/2023	34.0			7000									Hall	2306128
	L-11	12/20/2023		0.0	2.0	5100	0	14	0	14	14	0	0		Eurofins (Hall)	2312D08
	L-11	12/20/2023		2.0	4.0	5200	0	0	0	0	0	0	0		Eurofins (Hall)	2312D08
	L-11	12/20/2023		4.0	4.5	7300	0	53	75	53	128	0	0		Eurofins (Hall)	2312D08
L11-2	L11-2	12/20/2023		0.0	2.0	870									Eurofins (Hall)	2312D08
	L11-2	12/20/2023		2.0	4.0	7300									Eurofins (Hall)	2312D08
	L11-2	12/20/2023		4.0	4.5	3000									Eurofins (Hall)	2312D08
L11-3	L11-3	12/20/2023		0.0	2.0	10000									Eurofins (Hall)	2312D08
	L11-3	12/20/2023		2.0	4.0	12000									Eurofins (Hall)	2312D08
	L11-3	12/20/2023		4.0	4.5	12000									Eurofins (Hall)	2312D08
L-12	SSA-12	9/28/2022		0.0	4.0	336	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642
	SSA-12	9/28/2022	4.3			240	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642
L-13	SSA-13	9/28/2022		0.0	4.0	3920	0	48.7	0	48.7	48.7	0	0		Cardinal	H224642
	SSA-13	9/28/2022	4.3			13600	0	176	20	176	196	0	0		Cardinal	H224642
	L13	12/20/2023		0.0	2.0	13000									Eurofins (Hall)	2312D08
	L13	12/20/2023		2.0	4.0	13000									Eurofins (Hall)	2312D08
	L13	12/20/2023		4.0	4.5	12000									Eurofins (Hall)	2312D08
L13-2	L13-2	12/20/2023		0.0	2.0	8100									Eurofins (Hall)	2312D08
	L13-2	12/20/2023		2.0	4.0	10000									Eurofins (Hall)	2312D08
	L13-2	12/20/2023		4.0	4.5	11000									Eurofins (Hall)	2312D08
L13-3	L13-3	12/20/2023		0.0	2.0	7000									Eurofins (Hall)	2312D08
	L13-3	12/20/2023		2.0	4.0	10000									Eurofins (Hall)	2312D08
	L13-3	12/20/2023		4.0	4.5	10000									Eurofins (Hall)	2312D08
L-14	SSA-14	9/28/2022		0.0	4.0	128	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642
	SSA-14	9/28/2022	4.3			192	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642

Sample Location	Sample Name	Date	Discrete depth (ft)	Top Depth (ft)	Bottom Depth (ft)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO+DRO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Delineation Status	Laboratory	Lab Number
NMOCD Closure Criteria																
0 - 4 feet & "not in-use"						600				--	100	10	50			
> 4 ft or "in-use"						10,000				1,000	2,500	10	50			
L-15	SSA-15	9/28/2022		0.0	4.0	16000	0	304	91.5	304	395.5	0	0		Cardinal	H224642
	SSA-15	9/28/2022	4.3			22000	0	47.8	0	47.8	47.8	0	0		Cardinal	H224642
	L-15	12/20/2023		0.0	2.0	10000									Eurofins (Hall)	2312D08
	L-15	12/20/2023		2.0	4.0	11000									Eurofins (Hall)	2312D08
	L-15	12/20/2023		4.0	4.5	8200									Eurofins (Hall)	2312D08
L15-2	L15-2	12/20/2023		0.0	2.0	7200									Eurofins (Hall)	2312D08
	L53-2	12/20/2023		2.0	4.0	10000									Eurofins (Hall)	2312D08
	L15-2	12/20/2023		4.0	4.5	10000									Eurofins (Hall)	2312D08
L-16	SSA-16	9/28/2022		0.0	4.0	17400	0	13.7	0	13.7	13.7	0	0		Cardinal	H224642
	SSA-16	9/28/2022	4.3			18600	0	0	0	0	0	0	0		Cardinal	H224642
	L-16	12/20/2022	4.3			18000									Hall	2212C76
	L-16	12/20/2022	6.0			8600									Hall	2212C76
	L-16	12/20/2022	9.0			330									Hall	2212C76
	L-16	12/20/2022	11.5			600									Hall	2212C76
	L-16	12/20/2023		0.0	2.0	4400									Eurofins (Hall)	2312D08
	L-16	12/20/2023		2.0	4.0	6700									Eurofins (Hall)	2312D08
	L-16	12/20/2023		4.0	4.5	6700									Eurofins (Hall)	2312D08
L16-2	L16-2	12/20/2023		0.0	2.0	650									Eurofins (Hall)	2312D08
	L16-2	12/20/2023		2.0	4.0	2400									Eurofins (Hall)	2312D08
	L16-2	12/20/2023		4.0	4.5	5400									Eurofins (Hall)	2312D08
L-17	SSA-17	9/28/2022		0.0	4.0	304	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642
	SSA-17	9/28/2022	4.3			144	0	0	0	0	0	0	0	Horizontal Delineation	Cardinal	H224642
	Background	9/28/2022		0.0	4.0	32	0	0	0	0	0	0	0		Cardinal	H220315
	Background	9/28/2022	4.3			16	0	0	0	0	0	0	0		Cardinal	H220315
	0=Non detectable															

Appendix A

Communications



McNabb Partners, LLC
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SIGN-IN HELP

Searches ▾ Operator Data ▾ Hearing Fee Application

OCD Permitting

Home > Operator Data > Action Status > Action Search Results > Action Status Item Details

[C-141] Site Char./Remediation Plan C-141 (C-141-V-PLAN) Application

Submission Information

Submission ID:	352779	Districts:	Artesia
Operator:	[24164] VINTAGE DRILLING LLC	Counties:	Eddy
Description:	VINTAGE DRILLING LLC [24164] , WATER TRANSFER LINE , nAPP2223549434		
Status:	REJECTED		
Status Date:	06/11/2024		
References (1):	nAPP2223549434		

Forms

Attachments: [Volume Calculation](#)

[Water Sources, Scaled Site Map, Field Data, Soil Contaminant, Photographs, Topo Aerial Maps, Other*](#)

[Water Depth, Boring Logs, Proposed Technique, Scaled Site Map, Estimated Volume, Closure Criteria, Proposed Schedule](#)

[Lab Data](#)

* Attachments contained one or more undefined "Other" tags that must be reviewed before they can be displayed.



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Searches Operator Data Hearing Fee Application

Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	Unavailable.
Incident Facility	Unavailable.

Location of Release Source

Please answer all the questions in this group.

Site Name	WATER TRANSFER LINE
Date Release Discovered	08/19/2022
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
-----------------------------------	---



Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	water transfer line came apart at poly fuse.

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Marie Durham Title: Manager
--	--------------------------------------



What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
---	-----

Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.

Have the lateral and vertical extents of contamination been fully delineated	Yes
--	-----

Was this release entirely contained within a lined containment area	No
---	----

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	193000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	8975
GRO+DRO	(EPA SW-846 Method 8015M)	7215



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Searches ▾ Operator Data ▾ Hearing Fee Application

On what estimated date will the remediation commence	06/20/2024
On what date will (or did) the final sampling or liner inspection occur	07/25/2024
On what date will (or was) the remediation complete(d)	08/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	14700
What is the estimated volume (in cubic yards) that will be reclaimed	2275
What is the estimated surface area (in square feet) that will be remediated	14700
What is the estimated volume (in cubic yards) that will be remediated	890

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [FEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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



Date: 06/10/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission **No**

Sampling Event Information

Last sampling notification (C-141N) recorded	295928
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/20/2023
What was the (estimated) number of samples that were to be gathered	75
What was the sampling surface area in square feet	18400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission **No**

Acknowledgments

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.



SIGN-IN HELP

Searches Operator Data Hearing Fee Application

Reasons

Summary:

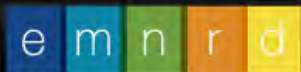
amaxwell (6/11/2024), Remediation plan denied.

amaxwell (6/11/2024), As with the previous denial, the installation of a liner for this release is denied. Liner installation does not provide equal or better protection, as the contamination will remain in place. The use of any liner will not be approved for this release location.

amaxwell (6/11/2024), The NAPP2223549434 WATER TRANSFER LINE remediation plan is due July 23, 2024. Failure to submit a complete NAPP2223549434 WATER TRANSFER LINE remediation plan is by July 23, 2024 may result in compliance and enforcement penalties pursuant to 19.15.5 NMAC.

Go Back

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Appendix B

Well Logs



McNabb Partners, LLC
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WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 2		WELL TAG ID NO.		OSE FILE NO(S). RA-13327		
	WELL OWNER NAME(S) William Hope				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS PO Box 248				CITY Artesia	STATE NM	ZIP 88220
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 42	SECONDS 16.7	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LATITUDE N		LONGITUDE 104 21 32.2 W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1348		NAME OF LICENSED DRILLER Clinton E Taylor			NAME OF WELL DRILLING COMPANY Taylor Water Well Service		
	DRILLING STARTED 5/31/2023	DRILLING ENDED 5/31/2023	DEPTH OF COMPLETED WELL (FT) 102	BORE HOLE DEPTH (FT) 102	DEPTH WATER FIRST ENCOUNTERED (FT) 96			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 77		DATE STATIC MEASURED 6/1/2023	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION

5. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13327 POD 2
 Well owner: William Hope Phone No.: _____
 Mailing address: PO Box 248
 City: Artesia State: NM Zip code: 88211

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Taylor Water Well Service
- 2) New Mexico Well Driller License No.: WD-1348 Expiration Date: 4/30/2025
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Clinton E Taylor
- 4) Date well plugging began: 6/13/2023 Date well plugging concluded: 6/13/2023
- 5) GPS Well Location: Latitude: 32 deg, 42 min, 16.7 sec
 Longitude: 104 deg, 21 min, 32.2 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 102 ft below ground level (bgl),
 by the following manner: Used 1 1/4" Sch 120 Pvc tremie pipe. Pumped cement with Wildon pump
- 7) Static water level measured at initiation of plugging: 77 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: _____
- 9) Were all plugging activities consistent with an approved plugging plan? _____ If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Cement mixer brought 30 Sacks of portland to location. Tremie pipe was in the hole. I used a stock tank and a Wildon Pump to circulate cement from bottom of the hole to surface.

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
102'	Portland Cement 6 gallons of Water/Sk	103	155	tremie Pipe	

MULTIPLY	BY	AND OBTAIN
cubic feet x	7.4805	= gallons
cubic yards x	201.97	= gallons

III. SIGNATURE:

I, Clinton E Taylor, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.



Signature of Well Driller

6/13/2023

Date

Appendix C

Certificates of Analysis



McNabb Partners, LLC
Hobbs • Carlsbad • Midland

Volume 3, All Laboratory Results
Section 35 Release
Section 35, T18S, R32E, Eddy County

Prepared for:
Vintage Drilling LLC
Artesia, New Mexico

Prepared by:
R.T. Hicks Consultants, Ltd.
901 Rio Grande NW F-142
Albuquerque, New Mexico

LABORATORY RESULTS

9/28/22



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 11, 2022

KRISTIN POPE

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: SEC. 35 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/05/22 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	10/05/2022	Sampling Date:	09/28/2022
Reported:	10/11/2022	Sampling Type:	Soil
Project Name:	SEC. 35 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	VINTAGE - EDDY CO NM		

Sample ID: SSA - 1 @ 0-4' (H224642-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	10/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	5460	50.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	1190	50.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 141 % 45.3-161

Surrogate: 1-Chlorooctadecane 214 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 1 @ 4.3' (H224642-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEx	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11100	16.0	10/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	1500	50.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	405	50.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 184 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 2 @ 0-4' (H224642-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/10/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	10/05/2022	Sampling Date:	09/28/2022
Reported:	10/11/2022	Sampling Type:	Soil
Project Name:	SEC. 35 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	VINTAGE - EDDY CO NM		

Sample ID: SSA - 2 @ 4.3' (H224642-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 3 @ 0-4' (H224642-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 3 @ 4.3' (H224642-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13400	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	13.6	10.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 99.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 4 @ 0-4' (H224642-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74	
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96	
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32	
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05	
Total BTEX	<0.300	0.300	10/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2022	ND	210	105	200	2.40	
DRO >C10-C28*	124	10.0	10/10/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	24.9	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 4 @ 4.3' (H224642-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEx	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	22.6	10.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 122 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 5 @ 0-4' (H224642-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74	
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96	
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32	
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05	
Total BTX	<0.300	0.300	10/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14000	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2022	ND	210	105	200	2.40	
DRO >C10-C28*	811	10.0	10/10/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	186	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 5 @ 4.3' (H224642-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17000	16.0	10/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	210	105	200	2.40	
DRO >C10-C28*	62.7	10.0	10/07/2022	ND	216	108	200	5.20	
EXT DRO >C28-C36	12.9	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 6 @ 0-4' (H224642-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 6 @ 4.3' (H224642-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 7 @ 0-4' (H224642-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15800	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2022	ND	236	118	200	7.00	
DRO >C10-C28*	320	10.0	10/10/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	91.4	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 7 @ 4.3' (H224642-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17400	16.0	10/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	28.3	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 8 @ 0-4' (H224642-15)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74	
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96	
Ethylbenzene*	0.148	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32	GC-NC1
Total Xylenes*	0.380	0.150	10/09/2022	ND	6.09	102	6.00	4.05	GC-NC1
Total BTEX	0.528	0.300	10/09/2022	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 158 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8800	16.0	10/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	55.6	50.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	7160	50.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	1760	50.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 433 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 8 @ 4.3' (H224642-16)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16200	16.0	10/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/10/2022	ND	236	118	200	7.00	
DRO >C10-C28*	314	10.0	10/10/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	64.6	10.0	10/10/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 9 @ 0-4' (H224642-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEx	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 71.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 9 @ 4.3' (H224642-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 10 @ 0-4' (H224642-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/09/2022	ND	2.16	108	2.00	5.74		
Toluene*	<0.050	0.050	10/09/2022	ND	2.06	103	2.00	5.96		
Ethylbenzene*	<0.050	0.050	10/09/2022	ND	2.00	99.8	2.00	5.32		
Total Xylenes*	<0.150	0.150	10/09/2022	ND	6.09	102	6.00	4.05		
Total BTEX	<0.300	0.300	10/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8600	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 72.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 10 @ 4.3' (H224642-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 11 @ 0-4' (H224642-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	3320	50.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	746	50.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 233 % 46.3-178

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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 11 @ 4.3' (H224642-22)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34	
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69	
Total BTEx	<0.300	0.300	10/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16600	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	1090	50.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	208	50.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 150 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 12 @ 0-4' (H224642-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	10/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 65.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 12 @ 4.3' (H224642-24)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34	
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69	
Total BTEx	<0.300	0.300	10/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/10/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 66.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	10/05/2022	Sampling Date:	09/28/2022
Reported:	10/11/2022	Sampling Type:	Soil
Project Name:	SEC. 35 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	VINTAGE - EDDY CO NM		

Sample ID: SSA - 13 @ 0-4' (H224642-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEX	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	48.7	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 13 @ 4.3' (H224642-26)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34	
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80	
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69	
Total BTEx	<0.300	0.300	10/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	176	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	20.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 14 @ 0-4' (H224642-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.0 % 46.3-178

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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 14 @ 4.3' (H224642-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 15 @ 0-4' (H224642-29)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEX	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	304	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	91.5	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 15 @ 4.3' (H224642-30)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22000	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	236	118	200	7.00	
DRO >C10-C28*	47.8	10.0	10/07/2022	ND	244	122	200	6.37	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 16 @ 0-4' (H224642-31)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEX	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17400	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	217	108	200	1.78	
DRO >C10-C28*	13.7	10.0	10/07/2022	ND	228	114	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
 KRISTIN POPE
 901 RIO GRANDE BLVD SUITE F-142
 ALBUQUERQUE NM, 87104
 Fax To: NONE

Received: 10/05/2022
 Reported: 10/11/2022
 Project Name: SEC. 35 RELEASE
 Project Number: NONE GIVEN
 Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 16 @ 4.3' (H224642-32)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18600	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	217	108	200	1.78	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	228	114	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 17 @ 0-4' (H224642-33)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	217	108	200	1.78	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	228	114	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 17 @ 4.3' (H224642-34)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTX	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	217	108	200	1.78	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	228	114	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.1 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - BG @ 0-4' (H224642-35)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/10/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	217	108	200	1.78	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	228	114	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/05/2022
Reported: 10/11/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - BG @ 4.3' (H224642-36)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	2.34		
Toluene*	<0.050	0.050	10/08/2022	ND	2.02	101	2.00	1.80		
Ethylbenzene*	<0.050	0.050	10/08/2022	ND	1.96	98.2	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/08/2022	ND	5.93	98.8	6.00	2.69		
Total BTEx	<0.300	0.300	10/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	217	108	200	1.78	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	228	114	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RT Hicks Consultants							BILL TO		ANALYSIS REQUEST	
Project Manager: Kristin Pope							P.O. #:			
Address: 901 Rio Grande Blvd NW, Suite F-142							Company: RT Hicks			
City: Albuquerque							Attn: Randy			
State: NM Zip: 87104							Address:			
Phone #: 505-266-5004 Fax #:							City:			
Project #:							State:			
Project Name: Sec. 35 Release							Zip:			
Project Location: Eddy County							Phone #:			
Sampler Name: Kristin Pope							Fax #:			

FOR LAB USE ONLY		LAB I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	REMARKS	
									GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER			
H224H42	55A-1	@ 0-4	ft	G	1	X												9-28-22	0952	TPH 8015M
	55A-1	@ 4.3	ft	G	1	X												0954		BTEX
	55A-2	@ 0-4	ft	G	1	X												0958		Chloride
	55A-2	@ 4.3	ft	G	1	X												1000		
	55A-3	@ 0-4	ft	G	1	X												1004		
	55A-3	@ 4.3	ft	G	1	X												1006		
	55A-4	@ 0-4	ft	G	1	X												1009		
	55A-4	@ 4.3	ft	G	1	X												1011		
	55A-5	@ 0-4	ft	G	1	X												1015		
	55A-5	@ 4.3	ft	G	1	X												1017		

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Reinquished By:		Date: 10-5-22		Received By:		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Relinquished By: [Signature]		Time: 1450		Received By: [Signature]		All Results are emailed. Please provide Email address:	
Relinquished By: [Signature]		Date:		Received By:		REMARKS: Kristin@rthicksconsult.com, vintage@plateautel.net	

Delivered By: (Circle One)	Observed Temp. °C: 3.4	Sample Condition	CHECKED BY: [Signature]
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 2.8	<input type="checkbox"/> Cool Intact <input checked="" type="checkbox"/> Yes Yes <input type="checkbox"/> No No	
		Thermometer ID #113	Standard <input checked="" type="checkbox"/> RUSH
		Correction Factor -0.6°C	Bacteria (only) <input type="checkbox"/> Sample Condition
			<input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes Yes <input type="checkbox"/> No No
			Observed Temp. °C
			Corrected Temp. °C



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RT Hicks Consultants Project Manager: Kristin Pope Address: 901 Rio Grande Blvd NW, Suite F-142 City: Albuquerque State: NM Zip: 87104 Phone #: 505-266-5004 Fax #: Project #: Project Owner: Vintage Project Name: Sec. 35 Release Project Location: Eddy County Sample Name: Kristin Pope		P.O. #: Company: RT Hicks Attn: Randy Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D.: Sample I.D. Sample I.D.:		MATRIX (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
DATE TIME		PRESERV SAMPLING	
11 SSA-6 @ 0-4 ft 12 SSA-6 @ 4.3 ft 13 SSA-7 @ 0-4 ft 14 SSA-7 @ 4.3 ft 15 SSA-8 @ 0-4 ft 16 SSA-8 @ 4.3 ft 17 SSA-9 @ 0-4 ft 18 SSA-9 @ 4.3 ft 19 SSA-10 @ 0-4 ft 20 SSA-10 @ 4.3 ft		9.28.22 10.28 10.30 10.21 10.23 10.39 10.41 10.47 10.49 10.53 10.55	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		TPH 8015M BTEX Chloride	
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Relinquished By: Kristin Pope Date: 10.5.22 Time: 1450 Received By: Stockiguer Date: Time:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Corrected Temp. °C 28.2 Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact Checked By: (Initials)		Turnaround Time: Standard <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C Corrected Temp. °C	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: RT Hicks Consultants		P.O. #:	
Project Manager: Kristin Pope		Company: RT Hicks	
Address: 901 Rio Grande Blvd NW, Suite F-142		Attn: Randy	
City: Albuquerque		Address:	
Phone #: 505-266-5004		City:	
Fax #: 505-266-5004		State:	
Project #: 505-266-5004		Zip:	
Project Name: Sec. 3-5 Release		Phone #:	
Project Location: Eddy County		Fax #:	
Sample Name: Kristin Pope		DATE	
FOR LAB USE ONLY		TIME	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	MATRIX	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	TPH	BTEX	Chloride
H224642	21 SSA-11 @ 0-4 ft	G	1							9-28-22	1100			
	22 SSA-11 @ 4.3 ft	G	1								1102			
	23 SSA-12 @ 0-4 ft	G	1								1106			
	24 SSA-12 @ 4.3 ft	G	1								1108			
	25 SSA-13 @ 0-4 ft	G	1								1112			
	26 SSA-13 @ 4.3 ft	G	1								1114			
	27 SSA-14 @ 0-4 ft	G	1								1118			
	28 SSA-14 @ 4.3 ft	G	1								1120			
	29 SSA-15 @ 0-4 ft	G	1								1124			
	30 SSA-15 @ 4.3 ft	G	1								1126			

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Relinquished By:

Date: 10-5-22 Received By: Kristin Pope

Relinquished By: Kristin Pope

Date: 10-5-22 Received By: Kristin Pope

Delivered By: (Circle One)

Observed Temp. °C 3.4

Sample Condition

CHECKED BY: (initials)

Turnaround Time:

Standard

Bacteria (only)

Sample Condition

Sampler - UPS - Bus - Other:

Corrected Temp. °C 2.8

Yes Yes

Yes Yes

Thermometer ID #113

Correction Factor -0.5°C

Yes Yes

Observed Temp. °C

FORM 006 K-3-07110222

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabnm.com

REMARKS: Kristin@rthicksconsult.com, vintage @ platoatutl.net



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 21, 2022

KRISTIN POPE

R T HICKS CONSULTANTS

901 RIO GRANDE BLVD SUITE F-142

ALBUQUERQUE, NM 87104

RE: SEC. 35 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/19/22 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received:	10/19/2022	Sampling Date:	09/28/2022
Reported:	10/21/2022	Sampling Type:	Soil
Project Name:	SEC. 35 RELEASE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	VINTAGE - EDDY CO NM		

Sample ID: SSA - 1 @ 0-2 FT (H224924-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	10/20/2022	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	5380	50.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	1490	50.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane	105 %	45.3-161								
Surrogate: 1-Chlorooctadecane	188 %	46.3-178								

Sample ID: SSA - 1 @ 2-4 FT (H224924-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8080	16.0	10/20/2022	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/20/2022	ND	219	110	200	6.75	
DRO >C10-C28*	1200	50.0	10/20/2022	ND	221	111	200	8.99	
EXT DRO >C28-C36	415	50.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	107 %	45.3-161							
Surrogate: 1-Chlorooctadecane	175 %	46.3-178							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 3 @ 0-2 FT (H224924-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8130	16.0	10/20/2022	ND	416	104	400	0.00	

Sample ID: SSA - 3 @ 2-4 FT (H224924-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13500	16.0	10/20/2022	ND	416	104	400	0.00		

Sample ID: SSA - 4 @ 0-2 FT (H224924-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/20/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				I-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	219	110	200	6.75	
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	111	200	8.99	
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 4 @ 2-4 FT (H224924-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	10/20/2022	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						I-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane		107 %	45.3-161							
Surrogate: 1-Chlorooctadecane		130 %	46.3-178							

Sample ID: SSA - 5 @ 0-2 FT (H224924-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16000	16.0	10/20/2022	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						I-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	347	10.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	123	10.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane	125 %	45.3-161								
Surrogate: 1-Chlorooctadecane	168 %	46.3-178								

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 5 @ 2-4 FT (H224924-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24800	16.0	10/20/2022	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						I-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	887	50.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	294	50.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane	112 %	45.3-161								
Surrogate: 1-Chlorooctadecane	164 %	46.3-178								

Sample ID: SSA - 7 @ 0-2 FT (H224924-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	25200	16.0	10/20/2022	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						I-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	<10.0	10.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	<10.0	10.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane	116 %	45.3-161								
Surrogate: 1-Chlorooctadecane	137 %	46.3-178								

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 7 @ 2-4 FT (H224924-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	33200	16.0	10/20/2022	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						I-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	460	10.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	212	10.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane	96.4 %	45.3-161								
Surrogate: 1-Chlorooctadecane	142 %	46.3-178								

Sample ID: SSA - 8 @ 0-2 FT (H224924-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	10/20/2022	ND	416	104	400	0.00	QM-07	
TPH 8015M		mg/kg		Analyzed By: MS						I-04, S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	9970	50.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	2860	50.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane	115 %	45.3-161								
Surrogate: 1-Chlorooctadecane	408 %	46.3-178								

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 8 @ 2-4 FT (H224924-12)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11100	16.0	10/20/2022	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/20/2022	ND	219	110	200	6.75	
DRO >C10-C28*	4940	50.0	10/20/2022	ND	221	111	200	8.99	
EXT DRO >C28-C36	1730	50.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	115 %	45.3-161							
Surrogate: 1-Chlorooctadecane	307 %	46.3-178							

Sample ID: SSA - 10 @ 0-2 FT (H224924-13)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5200	16.0	10/20/2022	ND	416	104	400	0.00		

Sample ID: SSA - 10 @ 2-4 FT (H224924-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	10/20/2022	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 11 @ 0-2 FT (H224924-15)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14800	16.0	10/20/2022	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	10/20/2022	ND	219	110	200	6.75	
DRO >C10-C28*	3490	50.0	10/20/2022	ND	221	111	200	8.99	
EXT DRO >C28-C36	1130	50.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	107 %	45.3-161							
Surrogate: 1-Chlorooctadecane	229 %	46.3-178							

Sample ID: SSA - 11 @ 2-4 FT (H224924-16)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	22000	16.0	10/20/2022	ND	416	104	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						I-04, S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	10/20/2022	ND	219	110	200	6.75		
DRO >C10-C28*	1490	50.0	10/20/2022	ND	221	111	200	8.99		
EXT DRO >C28-C36	549	50.0	10/20/2022	ND						
Surrogate: 1-Chlorooctane	111 %	45.3-161								
Surrogate: 1-Chlorooctadecane	181 %	46.3-178								

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 13 @ 0-2 FT (H224924-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22000	16.0	10/20/2022	ND	416	104	400	0.00	

Sample ID: SSA - 13 @ 2-4 FT (H224924-18)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23200	16.0	10/20/2022	ND	416	104	400	0.00		

Sample ID: SSA - 15 @ 0-2 FT (H224924-19)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19600	16.0	10/20/2022	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					I-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	219	110	200	6.75	
DRO >C10-C28*	116	10.0	10/20/2022	ND	221	111	200	8.99	
EXT DRO >C28-C36	50.4	10.0	10/20/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

R T HICKS CONSULTANTS
KRISTIN POPE
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 10/19/2022
Reported: 10/21/2022
Project Name: SEC. 35 RELEASE
Project Number: NONE GIVEN
Project Location: VINTAGE - EDDY CO NM

Sampling Date: 09/28/2022
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SSA - 15 @ 2-4 FT (H224924-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28000	16.0	10/20/2022	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/20/2022	ND	219	110	200	6.75	
DRO >C10-C28*	78.3	10.0	10/20/2022	ND	221	111	200	8.99	
EXT DRO >C28-C36	36.2	10.0	10/20/2022	ND					
Surrogate: 1-Chlorooctane	102 %	45.3-161							
Surrogate: 1-Chlorooctadecane	130 %	46.3-178							

Sample ID: SSA - 16 @ 0-2 FT (H224924-21)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17800	16.0	10/20/2022	ND	416	104	400	0.00		

Sample ID: SSA - 16 @ 2-4 FT (H224924-22)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17400	16.0	10/20/2022	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- I-04 Sample was extracted outside of the EPA recommended hold time.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RT Hicks Consultants				P.O. #:				BILL TO				ANALYSIS REQUEST									
Project Manager: Kristin Pope																					
Address: 901 Rio Grande Blvd NW, Suite F-142								Company: RT Hicks													
City: Albuquerque								Attn: Randy													
State: NM								Address:													
Phone #: 505-266-5004								City:													
Fax #:								State:													
Project #:								Zip:													
Project Location: Eddy County								Phone #:													
Sample Name: Kristin Pope								Fax #:													
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :												
H2A1924	SSA-1 @ 0-2 ft	G 1	1									9/28/22	0952	X	Chloride						
	SSA-1 @ 2-4 ft	G 1	1										0953	X	TPH 8015M						
	SSA-3 @ 0-2 ft	G 1	1																		
	SSA-3 @ 2-4 ft	G 1	1																		
	SSA-4 @ 0-2 ft	G 1	1																		
	SSA-4 @ 2-4 ft	G 1	1																		
	SSA-5 @ 0-2 ft	G 1	1																		
	SSA-5 @ 2-4 ft	G 1	1																		
	SSA-7 @ 0-2 ft	G 1	1																		
	SSA-7 @ 2-4 ft	G 1	1																		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Kristin Pope	Date: 10/19/22	Received By: [Signature]	Date: 10/19/22
Relinquished By: [Signature]	Date: 10/19/22	Received By: [Signature]	Date: 10/19/22

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #113 C ☒ Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No

Correction Factor -0.5°C ☐ Yes ☐ No

Observed Temp. °C ☐ Corrected Temp. °C

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:

All Results are emailed. Please provide Email address: kristin@rthicksconsult.com

REMARKS:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: RT Hicks Consultants Project Manager: Kristin Pope Address: 901 Rio Grande Blvd NW, Suite E-142 City: Albuquerque State: NM Zip: 87104 Phone #: 505-266-5004 Fax #: Project #: Project Name: Sec. 35 release Project Location: Eddy County Sampler Name: Kristin Pope				P.O. #: Company: RT Hicks Attn: Randy Address: City: State: Zip: Phone #: Fax #:			
BILL TO				ANALYSIS REQUEST			
FOR LAB USE ONLY							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.			
				# CONTAINERS			
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
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(575) 393-2326 FAX (575) 393-2476

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LABORATORY RESULTS

12/20/22



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

January 05, 2023

David Hamilton

R.T. Hicks Consultants, LTD
901 Rio Grande Blvd. NW
Suite F-142
Albuquerque, NM 87104
TEL: (505) 266-5004
FAX (505) 266-0745

RE: Vintage Drilling Section 35 Release Site

OrderNo.: 2212C76

Dear David Hamilton:

Hall Environmental Analysis Laboratory received 19 sample(s) on 12/21/2022 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 4.3 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 10:43:00 AM
Lab ID: 2212C76-001 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	16000	600		mg/Kg	200	12/30/2022 8:22:24 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 6.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 10:47:00 AM
Lab ID: 2212C76-002 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	12000	590		mg/Kg	200	12/30/2022 8:34:49 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 9.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 10:52:00 AM
Lab ID: 2212C76-003 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	13000	590		mg/Kg	200	12/30/2022 8:47:13 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 12.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 11:00:00 AM
Lab ID: 2212C76-004 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	11000	600		mg/Kg	200	12/28/2022 10:10:26 AM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 13.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 11:05:00 AM
Lab ID: 2212C76-005 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	11000	600		mg/Kg	200	12/28/2022 10:22:50 AM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-10 4.3 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 11:20:00 AM
Lab ID: 2212C76-006 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	15000	600		mg/Kg	200	12/28/2022 10:35:15 AM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-10 6.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 11:30:00 AM
Lab ID: 2212C76-007 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	17000	600		mg/Kg	200	12/28/2022 10:47:40 AM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-10 9.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 11:35:00 AM
Lab ID: 2212C76-008 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1200	60		mg/Kg	20	12/27/2022 2:30:32 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-10 12.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 11:42:00 AM
Lab ID: 2212C76-009 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1400	60		mg/Kg	20	12/27/2022 2:42:56 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-10 14.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 11:46:00 AM
Lab ID: 2212C76-010 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	880	60		mg/Kg	20	12/27/2022 2:55:20 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2212C76

Date Reported: 1/5/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-11 4.3 feet

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2022 12:00:00 PM

Lab ID: 2212C76-011

Matrix: SOIL

Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	17000	590		mg/Kg	200	12/30/2022 6:55:31 PM	72363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/28/2022 2:14:43 PM	72317
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 2:14:43 PM	72317
Surr: DNOP	100	21-129		%Rec	1	12/28/2022 2:14:43 PM	72317
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2022 11:20:04 AM	72270
Surr: BFB	81.6	37.7-212		%Rec	1	12/24/2022 11:20:04 AM	72270
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/24/2022 11:20:04 AM	72270
Toluene	ND	0.048		mg/Kg	1	12/24/2022 11:20:04 AM	72270
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2022 11:20:04 AM	72270
Xylenes, Total	ND	0.096		mg/Kg	1	12/24/2022 11:20:04 AM	72270
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	12/24/2022 11:20:04 AM	72270

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2212C76

Date Reported: 1/5/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-11 6.0 feet

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2022 12:06:00 PM

Lab ID: 2212C76-012

Matrix: SOIL

Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	13000	600		mg/Kg	200	12/30/2022 7:07:56 PM	72363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	330	15		mg/Kg	1	12/29/2022 7:03:15 PM	72317
Motor Oil Range Organics (MRO)	230	50		mg/Kg	1	12/29/2022 7:03:15 PM	72317
Surr: DNOP	128	21-129		%Rec	1	12/29/2022 7:03:15 PM	72317
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	12/24/2022 11:43:18 AM	72270
Surr: BFB	85.0	37.7-212		%Rec	5	12/24/2022 11:43:18 AM	72270
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	12/24/2022 11:43:18 AM	72270
Toluene	ND	0.24		mg/Kg	5	12/24/2022 11:43:18 AM	72270
Ethylbenzene	ND	0.24		mg/Kg	5	12/24/2022 11:43:18 AM	72270
Xylenes, Total	ND	0.48		mg/Kg	5	12/24/2022 11:43:18 AM	72270
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	5	12/24/2022 11:43:18 AM	72270

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2212C76

Date Reported: 1/5/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-11 9.0 feet

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2022 12:10:00 PM

Lab ID: 2212C76-013

Matrix: SOIL

Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	12000	600		mg/Kg	200	12/30/2022 7:20:21 PM	72363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	33	15		mg/Kg	1	12/28/2022 3:50:16 PM	72317
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2022 3:50:16 PM	72317
Surr: DNOP	107	21-129		%Rec	1	12/28/2022 3:50:16 PM	72317
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	12/24/2022 12:06:40 PM	72270
Surr: BFB	85.0	37.7-212		%Rec	5	12/24/2022 12:06:40 PM	72270
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	12/24/2022 12:06:40 PM	72270
Toluene	ND	0.24		mg/Kg	5	12/24/2022 12:06:40 PM	72270
Ethylbenzene	ND	0.24		mg/Kg	5	12/24/2022 12:06:40 PM	72270
Xylenes, Total	ND	0.48		mg/Kg	5	12/24/2022 12:06:40 PM	72270
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	5	12/24/2022 12:06:40 PM	72270

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2212C76

Date Reported: 1/5/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-11 12.0 feet

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2022 12:15:00 PM

Lab ID: 2212C76-014

Matrix: SOIL

Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	12000	600		mg/Kg	200	12/30/2022 7:32:45 PM	72363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/28/2022 4:14:07 PM	72317
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2022 4:14:07 PM	72317
Surr: DNOP	100	21-129		%Rec	1	12/28/2022 4:14:07 PM	72317
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2022 12:30:01 PM	72270
Surr: BFB	87.8	37.7-212		%Rec	1	12/24/2022 12:30:01 PM	72270
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/24/2022 12:30:01 PM	72270
Toluene	ND	0.049		mg/Kg	1	12/24/2022 12:30:01 PM	72270
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2022 12:30:01 PM	72270
Xylenes, Total	ND	0.099		mg/Kg	1	12/24/2022 12:30:01 PM	72270
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	12/24/2022 12:30:01 PM	72270

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Analytical Report

Lab Order 2212C76

Date Reported: 1/5/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-11 14.0 feet

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2022 12:20:00 PM

Lab ID: 2212C76-015

Matrix: SOIL

Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	12000	600		mg/Kg	200	12/30/2022 7:45:10 PM	72363
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	12/28/2022 4:37:59 PM	72317
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/28/2022 4:37:59 PM	72317
Surr: DNOP	106	21-129		%Rec	1	12/28/2022 4:37:59 PM	72317
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2022 1:40:29 PM	72270
Surr: BFB	88.6	37.7-212		%Rec	1	12/24/2022 1:40:29 PM	72270
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/24/2022 1:40:29 PM	72270
Toluene	ND	0.049		mg/Kg	1	12/24/2022 1:40:29 PM	72270
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2022 1:40:29 PM	72270
Xylenes, Total	ND	0.098		mg/Kg	1	12/24/2022 1:40:29 PM	72270
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	12/24/2022 1:40:29 PM	72270

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-16 4.3 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 12:29:00 PM
Lab ID: 2212C76-016 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	18000	600		mg/Kg	200	12/28/2022 11:00:05 AM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-16 6.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 12:32:00 PM
Lab ID: 2212C76-017 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	8600	600		mg/Kg	200	12/28/2022 11:12:30 AM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-16 9.0 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 12:35:00 PM
Lab ID: 2212C76-018 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	330	60		mg/Kg	20	12/27/2022 4:46:57 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2212C76
Date Reported: 1/5/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-16 11.5 feet
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2022 12:43:00 PM
Lab ID: 2212C76-019 Matrix: SOIL Received Date: 12/21/2022 3:10:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	600	61		mg/Kg	20	12/27/2022 4:59:22 PM	72319

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212C76

05-Jan-23

Client: R.T. Hicks Consultants, LTD
Project: Vintage Drilling Section 35 Release Site

Sample ID: MB-72319	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 72319	RunNo: 93569								
Prep Date: 12/27/2022	Analysis Date: 12/27/2022	SeqNo: 3376048 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-72319	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 72319	RunNo: 93569								
Prep Date: 12/27/2022	Analysis Date: 12/27/2022	SeqNo: 3376049 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

Sample ID: MB-72363	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 72363	RunNo: 93641								
Prep Date: 12/28/2022	Analysis Date: 12/29/2022	SeqNo: 3379383 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-72363	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 72363	RunNo: 93641								
Prep Date: 12/28/2022	Analysis Date: 12/30/2022	SeqNo: 3379384 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212C76

05-Jan-23

Client: R.T. Hicks Consultants, LTD
Project: Vintage Drilling Section 35 Release Site

Sample ID: MB-72317	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 72317	RunNo: 93579								
Prep Date: 12/27/2022	Analysis Date: 12/28/2022	SeqNo: 3376399 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.9	21	129			

Sample ID: LCS-72317	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 72317	RunNo: 93579								
Prep Date: 12/27/2022	Analysis Date: 12/28/2022	SeqNo: 3376400 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	15	50.00	0	115	64.4	127			
Surr: DNOP	4.8		5.000		96.0	21	129			

Sample ID: 2212C76-011AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: L-11 4.3 feet	Batch ID: 72317	RunNo: 93579								
Prep Date: 12/27/2022	Analysis Date: 12/28/2022	SeqNo: 3377737 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	15	48.59	0	106	36.1	154			
Surr: DNOP	4.6		4.859		94.4	21	129			

Sample ID: 2212C76-011AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: L-11 4.3 feet	Batch ID: 72317	RunNo: 93579								
Prep Date: 12/27/2022	Analysis Date: 12/28/2022	SeqNo: 3377738 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	14	48.12	0	0	36.1	154	200	33.9	RS
Surr: DNOP	4.4		4.812		91.5	21	129	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212C76

05-Jan-23

Client: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R93539	RunNo: 93539								
Prep Date:	Analysis Date: 12/23/2022	SeqNo: 3374535 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		86.2	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R93539	RunNo: 93539								
Prep Date:	Analysis Date: 12/23/2022	SeqNo: 3374536 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1800		1000		181	37.7	212			

Sample ID: mb-72270	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 72270	RunNo: 93539								
Prep Date: 12/22/2022	Analysis Date: 12/24/2022	SeqNo: 3374558 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	820		1000		81.8	37.7	212			

Sample ID: LCS-72270	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 72270	RunNo: 93539								
Prep Date: 12/22/2022	Analysis Date: 12/24/2022	SeqNo: 3374559 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.3	72.3	137			
Surr: BFB	1800		1000		175	37.7	212			

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 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

Page 22 of 23

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2212C76

05-Jan-23

Client: R.T. Hicks Consultants, LTD
Project: Vintage Drilling Section 35 Release Site

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: R93539			RunNo: 93539						
Prep Date:	Analysis Date: 12/23/2022			SeqNo: 3374633			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.88		1.000		87.5	70	130			

Sample ID: 100ng btex lcs	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: R93539			RunNo: 93539						
Prep Date:	Analysis Date: 12/23/2022			SeqNo: 3374634			Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	70	130			

Sample ID: mb-72270	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 72270			RunNo: 93539						
Prep Date: 12/22/2022	Analysis Date: 12/24/2022			SeqNo: 3374658			Units: mg/Kg			
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	0.82		1.000		82.3	70	130			

Sample ID: lcs-72270	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 72270			RunNo: 93539						
Prep Date: 12/22/2022	Analysis Date: 12/24/2022			SeqNo: 3374659			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.3	80	120			
Toluene	0.89	0.050	1.000	0	88.6	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.4	80	120			
Xylenes, Total	2.6	0.10	3.000	0	86.9	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.3	70	130			

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

Sample Log-In Check List

Client Name: R.T. Hicks Consultants,
LTD

Work Order Number: 2212C76

RcptNo: 1

Received By: Joseph Alderette 12/21/2022 3:10:00 PM

Completed By: Isaiah Ortiz 12/21/2022 3:17:02 PM

Reviewed By: *JA 12-21-22*

A
I-0x

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered? Client

Log In

3. 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 ☐

6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐

8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☒

10. Were any sample containers received broken? Yes ☐ No ☒

11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

13. Is it clear what analyses were requested? Yes ☒ No ☐

14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *JA 12/21/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	6.0	Good	Not Present			

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request					
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[illegible]

1000

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

Client: RT Hicks Consultants

Phone #: 505 266 5004

QA/QC Package:

- ☐ Standard
- ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)☐ Standard ☐ Rush

Project Name

Project #:

Project Manager:

D. Hamilton

Sampler: DH

On Ice: ☒ Yes ☐ No

of Coolers:)

Cooler Temp (including CE): 10.1.2020

Container

Corral	Type and #	Preservative
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
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92	92	92
93	93	93
94	94	94
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97	97	97
98	98	98
99	99	99
100	100	100

HEAL No. 1

Date	Time	Matrix	Sample Name
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12/20	12:00 soil	L11 4.3 feet
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12/30	12-06 soil	L-11 6.0 feet
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13/20	13/20	1-11 90 feet
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10/30	10/30	:	1-11	120	f
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[illegible]

1	16	13 feet
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[illegible][illegible][illegible][illegible]

Date:	Time:	Relinquished by:
-------	-------	------------------

10/11/2019

Relinquished by: ✓ ✓

Received by: Via:

✓ CDO

Date _____ Time _____

22.12.21

Received by: Via:

Date Time

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

Released to Imaging: 7/22/2024 1:27:26 PM

LABORATORY RESULTS

5/31/2023



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

June 19, 2023

David Hamilton

R.T. Hicks Consultants, LTD
901 Rio Grande Blvd. NW
Suite F-142
Albuquerque, NM 87104
TEL: (505) 266-5004
FAX: (505) 266-0745

RE: Vintage Section 35 Release

OrderNo.: 2306128

Dear David Hamilton:

Hall Environmental Analysis Laboratory received 12 sample(s) on 6/2/2023 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2306128
Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 10'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 10:10:00 AM
Lab ID: 2306128-001 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	9900	600		mg/Kg	200	6/8/2023 10:32:05 AM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2306128

Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-5 15'

Project: Vintage Section 35 Release

Collection Date: 5/31/2023 10:15:00 AM

Lab ID: 2306128-002

Matrix: SOIL

Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: KMN
Percent Moisture	7.5	1.0		wt%	1	6/8/2023	R97306
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5000	150		mg/Kg	50	6/8/2023 10:44:30 AM	75445

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2306128
Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 18'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 10:45:00 AM
Lab ID: 2306128-003 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: KMN
Percent Moisture	5.8	1.0		wt%	1	6/8/2023	R97306
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3400	150		mg/Kg	50	6/8/2023 10:56:55 AM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2306128

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-5 25'

Project: Vintage Section 35 Release

Collection Date: 5/31/2023 11:50:00 AM

Lab ID: 2306128-004

Matrix: SOIL

Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SNS
Chloride	1000	60		mg/Kg	20	6/8/2023 1:59:36 AM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Page 4 of 13

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2306128
Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 30'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 12:45:00 PM
Lab ID: 2306128-005 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	9700	600		mg/Kg	200	6/8/2023 11:09:19 AM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2306128

Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-5 35'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 12:55:00 PM
Lab ID: 2306128-006 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4300	150		mg/Kg	50	6/8/2023 11:21:44 AM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2306128

Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-11 10'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 3:00:00 PM
Lab ID: 2306128-007 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	8900	300		mg/Kg	100	6/8/2023 11:34:08 AM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2306128

Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-11 15'

Project: Vintage Section 35 Release

Collection Date: 5/31/2023 3:30:00 PM

Lab ID: 2306128-008

Matrix: SOIL

Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: KMN
Percent Moisture	10	1.0		wt%	1	6/8/2023	R97306
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	10000	600		mg/Kg	200	6/8/2023 12:11:21 PM	75445

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2306128

Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L-11 20'

Project: Vintage Section 35 Release

Collection Date: 5/31/2023 4:15:00 PM

Lab ID: 2306128-009

Matrix: SOIL

Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
PERCENT MOISTURE							Analyst: KMN
Percent Moisture	15	1.0		wt%	1	6/8/2023	R97306
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	12000	600		mg/Kg	200	6/8/2023 12:23:46 PM	75445

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

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2306128
Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-11 25'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 4:30:00 PM
Lab ID: 2306128-010 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	8000	300		mg/Kg	100	6/8/2023 12:36:11 PM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank	Page 10 of 13
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	
	PQL	Practical Quantitative Limit	RL	Reporting Limit	
	S	% Recovery outside of standard limits. If undiluted results may be estimated.			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2306128
Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-11 30'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 4:40:00 PM
Lab ID: 2306128-011 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2700	150		mg/Kg	50	6/8/2023 12:48:36 PM	75445

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2306128
Date Reported: 6/19/2023

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L-11 34'
Project: Vintage Section 35 Release Collection Date: 5/31/2023 4:55:00 PM
Lab ID: 2306128-012 Matrix: SOIL Received Date: 6/2/2023 3:35:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	7000	300		mg/Kg	100	6/9/2023 1:14:39 PM	75461

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2306128

19-Jun-23

Client: R.T. Hicks Consultants, LTD

Project: Vintage Section 35 Release

Sample ID: MB-75445	SampType: MBLK		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 75445		RunNo: 97291							
Prep Date: 6/7/2023	Analysis Date: 6/7/2023		SeqNo: 3534205		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-75445	SampType: LCS		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 75445		RunNo: 97291							
Prep Date: 6/7/2023	Analysis Date: 6/7/2023		SeqNo: 3534206		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Sample ID: MB-75461	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 75461		RunNo: 97318							
Prep Date: 6/8/2023	Analysis Date: 6/8/2023		SeqNo: 3535350		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-75461	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 75461		RunNo: 97318							
Prep Date: 6/8/2023	Analysis Date: 6/8/2023		SeqNo: 3535352		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
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

Page 13 of 13



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

Client Name: R.T. Hicks Consultants,
LTD

Work Order Number: 2306128

RcptNo: 1

Received By: Nancy Proctor 6/2/2023 3:35:00 PM

Completed By: Cheyenne Cason 6/5/2023 7:51:32 AM

Reviewed By: *WAB* 6.5.23

Chad

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
5. Sample(s) in proper container(s)? Approved by client.
Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *ju* 6/5/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	9.7	Good	Not Present	Morty		

LABORATORY RESULTS

12/20/2023



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

January 11, 2024

David Hamilton

R.T. Hicks Consultants, LTD

901 Rio Grande Blvd. NW

Suite F-142

Albuquerque, NM 87104

TEL: (505) 266-5004

FAX: (505) 266-0745

RE: Vintage Drilling Section 35 Release Site

OrderNo.: 2312D08

Dear David Hamilton:

Eurofins Environment Testing South Central, LLC received 69 sample(s) on 12/21/2023 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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L1 0'-2'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 10:15:00 AM

Lab ID: 2312D08-001

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	4000	150		mg/Kg	50	1/4/2024 10:22:42 AM	79720
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	5300	98		mg/Kg	10	1/3/2024 11:07:24 AM	79674
Motor Oil Range Organics (MRO)	2600	490		mg/Kg	10	1/3/2024 11:07:24 AM	79674
Surr: DNOP	0	69-147	S	%Rec	10	1/3/2024 11:07:24 AM	79674
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	12/29/2023 6:47:00 PM	79614
Surr: BFB	106	15-244		%Rec	5	12/29/2023 6:47:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	12/29/2023 6:47:00 PM	79614
Toluene	ND	0.24		mg/Kg	5	12/29/2023 6:47:00 PM	79614
Ethylbenzene	ND	0.24		mg/Kg	5	12/29/2023 6:47:00 PM	79614
Xylenes, Total	ND	0.48		mg/Kg	5	12/29/2023 6:47:00 PM	79614
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	5	12/29/2023 6:47:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L1 2'-4'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 10:15:00 AM

Lab ID: 2312D08-002

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	2900	150		mg/Kg	50	1/4/2024 10:35:07 AM	79720
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	3600	92		mg/Kg	10	1/3/2024 11:47:56 AM	79674
Motor Oil Range Organics (MRO)	1800	460		mg/Kg	10	1/3/2024 11:47:56 AM	79674
Surr: DNOP	0	69-147	S	%Rec	10	1/3/2024 11:47:56 AM	79674
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/29/2023 7:09:00 PM	79614
Surr: BFB	102	15-244		%Rec	1	12/29/2023 7:09:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/29/2023 7:09:00 PM	79614
Toluene	ND	0.047		mg/Kg	1	12/29/2023 7:09:00 PM	79614
Ethylbenzene	ND	0.047		mg/Kg	1	12/29/2023 7:09:00 PM	79614
Xylenes, Total	ND	0.094		mg/Kg	1	12/29/2023 7:09:00 PM	79614
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	12/29/2023 7:09:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L1 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 10:18:00 AM
Lab ID: 2312D08-003 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	4700	150		mg/Kg	50	1/4/2024 10:47:31 AM	79720
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	5400	95		mg/Kg	10	1/3/2024 3:47:58 PM	79677
Motor Oil Range Organics (MRO)	2700	480		mg/Kg	10	1/3/2024 3:47:58 PM	79677
Surr: DNOP	0	69-147	S	%Rec	10	1/3/2024 3:47:58 PM	79677
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/29/2023 7:31:00 PM	79614
Surr: BFB	111	15-244		%Rec	1	12/29/2023 7:31:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	12/29/2023 7:31:00 PM	79614
Toluene	ND	0.046		mg/Kg	1	12/29/2023 7:31:00 PM	79614
Ethylbenzene	ND	0.046		mg/Kg	1	12/29/2023 7:31:00 PM	79614
Xylenes, Total	ND	0.093		mg/Kg	1	12/29/2023 7:31:00 PM	79614
Surr: 4-Bromofluorobenzene	99.6	39.1-146		%Rec	1	12/29/2023 7:31:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L1-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 10:25:00 AM
Lab ID: 2312D08-004 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	2700	150		mg/Kg	50	1/4/2024 10:59:56 AM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L1-2 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 10:25:00 AM
Lab ID: 2312D08-005 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	680	60		mg/Kg	20	1/3/2024 5:32:05 PM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L1-2 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 10:35:00 AM
Lab ID: 2312D08-006 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	1400	60		mg/Kg	20	1/3/2024 5:44:29 PM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L3 0'-2'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 10:45:00 AM

Lab ID: 2312D08-007

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	370	60		mg/Kg	20	1/3/2024 5:56:53 PM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L3 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 10:45:00 AM
Lab ID: 2312D08-008 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	1300	60		mg/Kg	20	1/3/2024 6:09:18 PM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L3 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 10:55:00 AM
Lab ID: 2312D08-009 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	5100	300		mg/Kg	100	1/4/2024 11:12:21 AM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L3-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:10:00 AM
Lab ID: 2312D08-010 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	8700	300		mg/Kg	100	1/4/2024 11:24:45 AM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L3-2 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:10:00 AM
Lab ID: 2312D08-011 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	9800	600		mg/Kg	200	1/4/2024 11:37:10 AM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L3-2 4.0'-4.5'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 11:15:00 AM

Lab ID: 2312D08-012

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	600		mg/Kg	200	1/4/2024 11:49:35 AM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L5 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:25:00 AM
Lab ID: 2312D08-013 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	200	60		mg/Kg	20	1/3/2024 7:11:21 PM	79720

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L5 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:25:00 AM
Lab ID: 2312D08-014 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	340	60		mg/Kg	20	1/3/2024 8:13:24 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L5 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:30:00 AM
Lab ID: 2312D08-015 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	570	60		mg/Kg	20	1/3/2024 8:50:38 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L5-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:35:00 AM
Lab ID: 2312D08-016 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	600		mg/Kg	200	1/4/2024 1:04:03 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L5-2 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:35:00 AM
Lab ID: 2312D08-017 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	600		mg/Kg	200	1/4/2024 1:16:27 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L5-2 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:40:00 AM
Lab ID: 2312D08-018 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	13000	600		mg/Kg	200	1/4/2024 1:28:51 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L7 0'-2'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 11:50:00 AM

Lab ID: 2312D08-019

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	2200	60		mg/Kg	20	1/3/2024 10:29:54 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L7 2'-4'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 11:50:00 AM

Lab ID: 2312D08-020

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	3300	150		mg/Kg	50	1/4/2024 1:41:15 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L7 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 11:55:00 AM
Lab ID: 2312D08-021 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	2000	60		mg/Kg	20	1/3/2024 10:54:43 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L7-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:05:00 PM
Lab ID: 2312D08-022 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	600		mg/Kg	200	1/4/2024 1:53:40 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L7-2 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:05:00 PM
Lab ID: 2312D08-023 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	600		mg/Kg	200	1/4/2024 2:06:04 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L7-2 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:15:00 PM
Lab ID: 2312D08-024 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	13000	600		mg/Kg	200	1/4/2024 2:18:29 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L8 0'-2'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 12:20:00 PM

Lab ID: 2312D08-025

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	4000	150		mg/Kg	50	1/4/2024 2:30:54 PM	79729
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	12000	940		mg/Kg	100	1/4/2024 5:48:11 PM	79677
Motor Oil Range Organics (MRO)	8900	4700		mg/Kg	100	1/4/2024 5:48:11 PM	79677
Surr: DNOP	0	69-147	S	%Rec	100	1/4/2024 5:48:11 PM	79677
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/29/2023 7:53:00 PM	79614
Surr: BFB	110	15-244		%Rec	1	12/29/2023 7:53:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	12/29/2023 7:53:00 PM	79614
Toluene	ND	0.047		mg/Kg	1	12/29/2023 7:53:00 PM	79614
Ethylbenzene	ND	0.047		mg/Kg	1	12/29/2023 7:53:00 PM	79614
Xylenes, Total	ND	0.094		mg/Kg	1	12/29/2023 7:53:00 PM	79614
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	12/29/2023 7:53:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L8 2'-4'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 12:20:00 PM

Lab ID: 2312D08-026

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	1500	60		mg/Kg	20	1/3/2024 11:56:46 PM	79729
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	1700	93		mg/Kg	10	1/3/2024 5:08:49 PM	79677
Motor Oil Range Organics (MRO)	1300	460		mg/Kg	10	1/3/2024 5:08:49 PM	79677
Surr: DNOP	0	69-147	S	%Rec	10	1/3/2024 5:08:49 PM	79677
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/29/2023 8:14:00 PM	79614
Surr: BFB	105	15-244		%Rec	1	12/29/2023 8:14:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/29/2023 8:14:00 PM	79614
Toluene	ND	0.048		mg/Kg	1	12/29/2023 8:14:00 PM	79614
Ethylbenzene	ND	0.048		mg/Kg	1	12/29/2023 8:14:00 PM	79614
Xylenes, Total	ND	0.096		mg/Kg	1	12/29/2023 8:14:00 PM	79614
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	12/29/2023 8:14:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L8 4.0'-4.5'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 12:25:00 PM

Lab ID: 2312D08-027

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	4700	150		mg/Kg	50	1/4/2024 2:43:18 PM	79729
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	6900	96		mg/Kg	10	1/3/2024 5:49:24 PM	79677
Motor Oil Range Organics (MRO)	5300	480		mg/Kg	10	1/3/2024 5:49:24 PM	79677
Surr: DNOP	0	69-147	S	%Rec	10	1/3/2024 5:49:24 PM	79677
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/29/2023 8:36:00 PM	79614
Surr: BFB	107	15-244		%Rec	1	12/29/2023 8:36:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/29/2023 8:36:00 PM	79614
Toluene	ND	0.048		mg/Kg	1	12/29/2023 8:36:00 PM	79614
Ethylbenzene	ND	0.048		mg/Kg	1	12/29/2023 8:36:00 PM	79614
Xylenes, Total	ND	0.097		mg/Kg	1	12/29/2023 8:36:00 PM	79614
Surr: 4-Bromofluorobenzene	96.1	39.1-146		%Rec	1	12/29/2023 8:36:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L8-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:35:00 PM
Lab ID: 2312D08-028 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	550	60		mg/Kg	20	1/4/2024 12:46:23 AM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L8-2 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:35:00 PM
Lab ID: 2312D08-029 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	2300	60		mg/Kg	20	1/4/2024 12:58:47 AM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L8-2 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:40:00 PM
Lab ID: 2312D08-030 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	1300	60		mg/Kg	20	1/4/2024 1:11:12 AM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L10 0'-2'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 12:50:00 PM

Lab ID: 2312D08-031

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	8700	300		mg/Kg	100	1/4/2024 3:20:31 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L10 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:50:00 PM
Lab ID: 2312D08-032 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	9600	300		mg/Kg	100	1/4/2024 3:32:55 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L10 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 12:55:00 PM
Lab ID: 2312D08-033 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	7300	300		mg/Kg	100	1/4/2024 3:45:20 PM	79729

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L10-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 1:05:00 PM
Lab ID: 2312D08-034 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	300		mg/Kg	100	1/4/2024 3:57:45 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L10-2 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 1:10:00 PM
Lab ID: 2312D08-036 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	300		mg/Kg	100	1/4/2024 4:47:23 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L10-3 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 1:15:00 PM
Lab ID: 2312D08-037 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	12000	600		mg/Kg	200	1/6/2024 1:50:53 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L10-3 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 1:15:00 PM
Lab ID: 2312D08-038 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	300		mg/Kg	100	1/4/2024 6:01:50 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L10-3 4.0'-4.5
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 1:20:00 PM
Lab ID: 2312D08-039 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	11000	600		mg/Kg	200	1/5/2024 10:36:31 AM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L11 0'-2'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 2:10:00 PM

Lab ID: 2312D08-040

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	5100	300		mg/Kg	100	1/4/2024 6:26:39 PM	79738
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	14	9.3		mg/Kg	1	1/3/2024 11:31:05 PM	79677
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/3/2024 11:31:05 PM	79677
Surr: DNOP	96.7	69-147		%Rec	1	1/3/2024 11:31:05 PM	79677
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/29/2023 8:58:00 PM	79614
Surr: BFB	102	15-244		%Rec	1	12/29/2023 8:58:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	12/29/2023 8:58:00 PM	79614
Toluene	ND	0.047		mg/Kg	1	12/29/2023 8:58:00 PM	79614
Ethylbenzene	ND	0.047		mg/Kg	1	12/29/2023 8:58:00 PM	79614
Xylenes, Total	ND	0.093		mg/Kg	1	12/29/2023 8:58:00 PM	79614
Surr: 4-Bromofluorobenzene	96.1	39.1-146		%Rec	1	12/29/2023 8:58:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L11 2'-4'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 2:10:00 PM

Lab ID: 2312D08-041

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	5200	300		mg/Kg	100	1/4/2024 6:39:03 PM	79738
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/3/2024 11:41:24 PM	79677
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/3/2024 11:41:24 PM	79677
Surr: DNOP	109	69-147		%Rec	1	1/3/2024 11:41:24 PM	79677
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/29/2023 9:42:00 PM	79614
Surr: BFB	103	15-244		%Rec	1	12/29/2023 9:42:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/29/2023 9:42:00 PM	79614
Toluene	ND	0.048		mg/Kg	1	12/29/2023 9:42:00 PM	79614
Ethylbenzene	ND	0.048		mg/Kg	1	12/29/2023 9:42:00 PM	79614
Xylenes, Total	ND	0.096		mg/Kg	1	12/29/2023 9:42:00 PM	79614
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	12/29/2023 9:42:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L11 4.0'-4.5'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 2:15:00 PM

Lab ID: 2312D08-042

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	7300	300		mg/Kg	100	1/4/2024 6:51:28 PM	79738
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: PRD
Diesel Range Organics (DRO)	53	9.6		mg/Kg	1	1/4/2024 6:28:20 PM	79677
Motor Oil Range Organics (MRO)	75	48		mg/Kg	1	1/4/2024 6:28:20 PM	79677
Surr: DNOP	121	69-147		%Rec	1	1/4/2024 6:28:20 PM	79677
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/29/2023 10:04:00 PM	79614
Surr: BFB	105	15-244		%Rec	1	12/29/2023 10:04:00 PM	79614
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	12/29/2023 10:04:00 PM	79614
Toluene	ND	0.048		mg/Kg	1	12/29/2023 10:04:00 PM	79614
Ethylbenzene	ND	0.048		mg/Kg	1	12/29/2023 10:04:00 PM	79614
Xylenes, Total	ND	0.097		mg/Kg	1	12/29/2023 10:04:00 PM	79614
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	12/29/2023 10:04:00 PM	79614

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L11-2 0'-2'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 2:20:00 PM

Lab ID: 2312D08-043

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	870	150		mg/Kg	100	1/4/2024 7:03:52 PM	R102237

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L11-2 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 2:20:00 PM
Lab ID: 2312D08-044 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	7300	300		mg/Kg	100	1/4/2024 7:16:17 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L11-2 4.0'-4.5'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 2:25:00 PM

Lab ID: 2312D08-045

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	3000	300		mg/Kg	100	1/4/2024 7:28:42 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L11-3 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 2:30:00 PM
Lab ID: 2312D08-046 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	10000	300		mg/Kg	100	1/4/2024 7:41:06 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L11-3 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 2:30:00 PM
Lab ID: 2312D08-047 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	12000	300		mg/Kg	100	1/4/2024 8:18:21 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Lab ID: 2312D08-048

Client Sample ID: L11-3 4.0'-4.5'

Collection Date: 12/20/2023 2:35:00 PM

Received Date: 12/21/2023 3:40:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	12000	600		mg/Kg	200	1/5/2024 10:48:56 AM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 2:45:00 PM
Lab ID: 2312D08-049 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	13000	600		mg/Kg	200	1/5/2024 11:01:21 AM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 2:45:00 PM
Lab ID: 2312D08-050 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	13000	610		mg/Kg	200	1/5/2024 11:13:45 AM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L13 4.0'-4.5'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 2:50:00 PM

Lab ID: 2312D08-051

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: RBC
Chloride	12000	600		mg/Kg	200	1/6/2024 2:06:04 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L16-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 3:25:00 PM
Lab ID: 2312D08-052 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	4400	300		mg/Kg	100	1/4/2024 9:20:24 PM	79738

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L16-2 2'-4'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 3:25:00 PM

Lab ID: 2312D08-053

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	6700	300		mg/Kg	100	1/5/2024 2:05:51 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L16-2 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 3:30:00 PM
Lab ID: 2312D08-054 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	6700	300		mg/Kg	100	1/5/2024 2:18:16 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L16 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 3:40:00 PM
Lab ID: 2312D08-055 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	650	300		mg/Kg	100	1/5/2024 2:30:41 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD
Project: Vintage Drilling Section 35 Release Site
Lab ID: 2312D08-056

Client Sample ID: L16 2'-4'
Collection Date: 12/20/2023 3:40:00 PM
Received Date: 12/21/2023 3:40:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	2400	300		mg/Kg	100	1/5/2024 2:43:05 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD
Project: Vintage Drilling Section 35 Release Site
Lab ID: 2312D08-057

Matrix: SOIL
Client Sample ID: L16 4.0'-4.5'
Collection Date: 12/20/2023 3:45:00 PM
Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	5400	300		mg/Kg	100	1/5/2024 2:55:30 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

CLIENT: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Lab ID: 2312D08-058

Client Sample ID: L15 0'-2'

Collection Date: 12/20/2023 3:50:00 PM

Received Date: 12/21/2023 3:40:00 PM

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	10000	300		mg/Kg	100	1/5/2024 3:07:54 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L15 2'-4'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 3:50:00 PM
Lab ID: 2312D08-059 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	11000	300		mg/Kg	100	1/5/2024 3:45:08 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L15 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 3:55:00 PM
Lab ID: 2312D08-060 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	8200	300		mg/Kg	100	1/5/2024 3:57:32 AM	79739

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L15-2 0'-2'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 4:00:00 PM
Lab ID: 2312D08-061 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	7200	300		mg/Kg	100	1/9/2024 12:12:02 PM	79773

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: R.T. Hicks Consultants, LTD

Client Sample ID: L15-2 2'-4'

Project: Vintage Drilling Section 35 Release Site

Collection Date: 12/20/2023 4:00:00 PM

Lab ID: 2312D08-062

Matrix: SOIL

Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	10000	300		mg/Kg	100	1/9/2024 12:25:20 AM	79786

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2312D08

Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L15-2 4.0'-4.5'
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023 4:05:00 PM
Lab ID: 2312D08-063 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: KCB
Chloride	10000	300		mg/Kg	100	1/9/2024 12:37:44 AM	79786

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13-2 0-2
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023
Lab ID: 2312D08-064 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	8100	300		mg/Kg	100	1/9/2024 12:27:13 PM	79773

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13-2 2-4
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023
Lab ID: 2312D08-065 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	10000	600		mg/Kg	200	1/9/2024 12:42:23 PM	79773

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13-2 4-5
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023
Lab ID: 2312D08-066 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	11000	300		mg/Kg	100	1/9/2024 12:57:34 PM	79773

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13-3 0-2
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023
Lab ID: 2312D08-067 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	7000	300		mg/Kg	100	1/9/2024 1:43:03 PM	79773

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13-3 2-4
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023
Lab ID: 2312D08-068 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	10000	300		mg/Kg	100	1/9/2024 1:58:13 PM	79773

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2312D08
Date Reported: 1/11/2024

CLIENT: R.T. Hicks Consultants, LTD Client Sample ID: L13-3 4-5
Project: Vintage Drilling Section 35 Release Site Collection Date: 12/20/2023
Lab ID: 2312D08-069 Matrix: SOIL Received Date: 12/21/2023 3:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	10000	600		mg/Kg	200	1/9/2024 2:13:23 PM	79773

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312D08

11-Jan-24

Client: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Sample ID: MB-79720	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79720	RunNo: 102238								
Prep Date: 1/3/2024	Analysis Date: 1/3/2024	SeqNo: 3774164		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-79720	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79720	RunNo: 102238								
Prep Date: 1/3/2024	Analysis Date: 1/3/2024	SeqNo: 3774165		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			

Sample ID: MB-79729	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79729	RunNo: 102238								
Prep Date: 1/3/2024	Analysis Date: 1/3/2024	SeqNo: 3774197		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-79729	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79729	RunNo: 102238								
Prep Date: 1/3/2024	Analysis Date: 1/3/2024	SeqNo: 3774198		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

Sample ID: MB-79738	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79738	RunNo: 102237								
Prep Date: 1/4/2024	Analysis Date: 1/4/2024	SeqNo: 3775192		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-79738	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79738	RunNo: 102237								
Prep Date: 1/4/2024	Analysis Date: 1/4/2024	SeqNo: 3775193		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312D08

11-Jan-24

Client: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Sample ID: MB-79739	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79739	RunNo: 102237								
Prep Date: 1/4/2024	Analysis Date: 1/4/2024	SeqNo: 3775239		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-79739	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79739	RunNo: 102237								
Prep Date: 1/4/2024	Analysis Date: 1/4/2024	SeqNo: 3775240		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: MB-79773	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79773	RunNo: 102317								
Prep Date: 1/8/2024	Analysis Date: 1/8/2024	SeqNo: 3778296		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-79773	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79773	RunNo: 102317								
Prep Date: 1/8/2024	Analysis Date: 1/8/2024	SeqNo: 3778297		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Sample ID: MB-79786	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 79786	RunNo: 102317								
Prep Date: 1/8/2024	Analysis Date: 1/8/2024	SeqNo: 3778327		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-79786	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 79786	RunNo: 102317								
Prep Date: 1/8/2024	Analysis Date: 1/8/2024	SeqNo: 3778328		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312D08
11-Jan-24

Client: R.T. Hicks Consultants, LTD
Project: Vintage Drilling Section 35 Release Site

Sample ID: LCS-79674	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 79674	RunNo: 102212								
Prep Date: 1/2/2024	Analysis Date: 1/3/2024	SeqNo: 3773288			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	117	61.9	130			
Surr: DNOP	6.5		5.000		130	69	147			

Sample ID: LCS-79677	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 79677	RunNo: 102212								
Prep Date: 1/2/2024	Analysis Date: 1/3/2024	SeqNo: 3773289			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	105	61.9	130			
Surr: DNOP	5.8		5.000		117	69	147			

Sample ID: MB-79674	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 79674	RunNo: 102212								
Prep Date: 1/2/2024	Analysis Date: 1/3/2024	SeqNo: 3773291			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		116	69	147			

Sample ID: MB-79677	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 79677	RunNo: 102212								
Prep Date: 1/2/2024	Analysis Date: 1/3/2024	SeqNo: 3773292			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		122	69	147			

Sample ID: 2312D08-042AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: L11 4.0'-4.5'	Batch ID: 79677	RunNo: 102236								
Prep Date: 1/2/2024	Analysis Date: 1/4/2024	SeqNo: 3774640			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	76	9.5	47.30	52.90	49.5	54.2	135			S
Surr: DNOP	5.9		4.730		124	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 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312D08

11-Jan-24

Client: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Sample ID: 2312D08-042AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: L11 4.0'-4.5'		Batch ID: 79677		RunNo: 102236						
Prep Date: 1/2/2024		Analysis Date: 1/4/2024		SeqNo: 3774641		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	85	9.4	47.21	52.90	68.5	54.2	135	11.1	29.2	
Surr: DNOP	6.2		4.721		132	69	147	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312D08
11-Jan-24

Client: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Sample ID: lcs-79614	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 79614			RunNo: 102164						
Prep Date: 12/27/2023	Analysis Date: 12/29/2023			SeqNo: 3771175		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.4	70	130			
Surr: BFB	2300		1000		227	15	244			

Sample ID: mb-79614	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 79614			RunNo: 102164						
Prep Date: 12/27/2023	Analysis Date: 12/29/2023			SeqNo: 3771176		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		105	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 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2312D08

11-Jan-24

Client: R.T. Hicks Consultants, LTD

Project: Vintage Drilling Section 35 Release Site

Sample ID: lcs-79614	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 79614			RunNo: 102164						
Prep Date: 12/27/2023	Analysis Date: 12/29/2023			SeqNo: 3771228		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.7	70	130			
Toluene	0.98	0.050	1.000	0	97.6	70	130			
Ethylbenzene	1.0	0.050	1.000	0	99.8	70	130			
Xylenes, Total	3.0	0.10	3.000	0	100	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	39.1	146			

Sample ID: mb-79614	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 79614			RunNo: 102164						
Prep Date: 12/27/2023	Analysis Date: 12/29/2023			SeqNo: 3771229		Units: mg/Kg				
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	1.0		1.000		101	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 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



Environment Testin™

Eurofins Environment Testing South
Central, LLC

4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: R.T. Hicks Consultants,

Work Order Number: 2312D08

RcptNo: 1

Received By: Nick Louman

12/21/2023 3:40:00 PM

Completed By: Cheyenne Cason

12/21/2023 4:46:11 PM

Reviewed By:

12/22/23 Extra Samples 12-27-23

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
5. Sample(s) in proper container(s)? Approved by client.
Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☒
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

Extra Samples 12/27/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐

eMail

☐

Phone

☐

Fax

☐

In Person

Regarding:

Client Instructions:

16. Additional remarks: COC missing sample information/analysis request for samples - 004 then - 009. 12/27/23

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Not Present	Morty		
2	8.9	Good	Not Present	Morty		



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Turn-Around Time:		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush												
Project Name		Vintage Drilling												
Section 35 Release Site														
Project #:														
Project Manager:		D. Hamilton												
Sampler:		DH												
On Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No												
# of Coolers:		2												
Cooler Temp (including CF):		23.2008 HEAL No. 230-000010123												
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	CL F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/20	12:20	soil	L8 0'-2'	4 oz glass		X					X			
12/20	12:20	soil	L8 2'-4'	4 oz glass		X					X			
12/20	12:25	soil	L8 4.0'-4.5'	4 oz glass		X					X			
12/20	12:35	soil	L8-2 0'-2'	4 oz glass							X			
12/20	12:35	soil	L8-2 2'-4'	4 oz glass							X			
12/20	12:40	soil	L8-2 4.0'-4.5'	4 oz glass							X			
12/20	12:50	soil	L10 0'-2'	4 oz glass							X			
12/20	12:50	soil	L10 2'-4'	4 oz glass							X			
12/20	12:55	soil	L10 4.0'-4.5'	4 oz glass							X			
12/20	13:05	soil	L10-2 0'-2'	4 oz glass							X			
12/20	13:05	soil	L10-2 2'-4'	4 oz glass							X			
12/20	13:10	soil	L10-2 4.0'-4.5'	4 oz glass							X			
Date:	Time:	Relinquished by:	Relinquished by:	Received by:	Via:	Date	Time	Remarks:						
7/21/2024	15:10	David Hamilton	Nut	Nut	CDO	12/24/23	1540	Cooler Temps 8.9 - 0 = 8.9 12/21/23						
Date:	Time:	Relinquished by:	Relinquished by:	Received by:	Via:	Date	Time	3.6 - 0 = 3.6						

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

Chain-of-Custody Record



Turn-Around Time: ☒ Standard ☐ Rush
Project Name: Vintage Drilling

Section 35 Release Site
Project #:

Client: RT Hicks Consultants
Mailing Address: 901 Rio Grande NW Ste. F-142
Albuquerque, NM 87104

Phone #: 505 266 5004
email or Fax#: david@rthicksconsult.com
QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other
☐ EDD (Type)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
12/20	14:45	soil	L13 0'-2'	4 oz glass		2312 008
12/20	14:45	soil	L13 2'-4'	4 oz glass		049
12/20	14:50	soil	L13 4.0'-4.5'	4 oz glass		050
12/20	15:25	soil	L16-2 0'-2'	4 oz glass		051
12/20	15:25	soil	L16-2 2'-4'	4 oz glass		052
12/20	15:30	soil	L16-2 4.0'-4.5'	4 oz glass		053
12/20	15:40	soil	L16 0'-2'	4 oz glass		054
12/20	15:40	soil	L16 2'-4'	4 oz glass		055
12/20	15:45	soil	L16 4.0'-4.5'	4 oz glass		056
12/20	15:50	soil	L15 0'-2'	4 oz glass		057
12/20	15:50	soil	L15 2'-4'	4 oz glass		058
12/20	15:55	soil	L15 4.0'-4.5'	4 oz glass		059
12/20	15:55	soil	L15 4.0'-4.5'	4 oz glass		060

Date: 12/21 15:40 Relinquished by: David Hamilton
Date: 12/21 15:40 Relinquished by: David Hamilton
Received by: Neil Jan CDO Date: 12/23 1540
Received by: Via: Date: Time

Chain-of-Custody Record

Client: RT Hicks Consultants

Mailing Address: 901 Rio Grande NW Ste. F-142

Albuquerque, NM 87104

Phone #: 505 266 5004

email or Fax#: david@rthicksconsult.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: Vintage Drilling

Section 35 Release Site

Project #:

Project Manager:

D. Hamilton

Sampler: DH

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including CF):

Date Time Matrix Sample Name

12/20 16:00 soil L15-2 0'-2'

12/20 16:00 soil L15-2 2'-4'

12/20 16:05 soil L15-2 4.0'-4.5'

12/20 16:15-2 0'-2'

12/20 16:20 2.4

12/20 16:25 4.5

12/20 16:30 0-2

12/20 16:40 2-4

12/20 16:45 4-5

Date: 12/21 15:47

Relinquished by: David Hamilton

Date: 12/21 15:47

Relinquished by: David Hamilton

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

Received by: Via: Date Time

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



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

8081 Pesticides/8082 PCBs
TPH:8015(GRO / DRO / MRO)
BTEX / MTBE / TMBs (8021)
EDB (Method 504.1)
PAHs by 8310 or 8270SIMS
RCRA 8 Metals
Cl, F, Br, NO₃, NO₂, PO₄, SO₄
8260 (VOA)
8270 (Semi-VOA)
Total Coliform (Present/Absent)

Remarks:

Cooler Temps

8.9-0 = 8.9

3.6-0 = 3.6

Morty 12/21/23

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QUESTIONS

Action 365851

QUESTIONS

Operator: VINTAGE DRILLING LLC P. O. Box 248 Artesia, NM 88211024	OGRID:
	24164
	Action Number:
	365851
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2223549434
Incident Name	NAPP2223549434 WATER TRANSFER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source

Please answer all the questions in this group.

Site Name	WATER TRANSFER LINE
Date Release Discovered	08/19/2022
Surface Owner	Private

Incident Details

Please answer all the questions in this group.

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	water transfer line came apart at poly fuse. Estimated volume calculation attached but actual is unknown

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QUESTIONS, Page 2

Action 365851

QUESTIONS (continued)

Operator: VINTAGE DRILLING LLC P. O. Box 248 Artesia, NM 88211024	OGRID:
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[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: andrew@mcnabbpartners.com Date: 07/22/2024
--	--

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QUESTIONS, Page 3

Action 365851

QUESTIONS (continued)

Operator: VINTAGE DRILLING LLC P. O. Box 248 Artesia, NM 88211024	OGRID:
	24164
	Action Number:
	365851
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	22000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	20900
GRO+DRO	(EPA SW-846 Method 8015M)	12000
BTEX	(EPA SW-846 Method 8021B or 8260B)	1
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/07/2024
On what date will (or did) the final sampling or liner inspection occur	11/07/2024
On what date will (or was) the remediation complete(d)	11/07/2024
What is the estimated surface area (in square feet) that will be reclaimed	20806
What is the estimated volume (in cubic yards) that will be reclaimed	5704
What is the estimated surface area (in square feet) that will be remediated	20806
What is the estimated volume (in cubic yards) that will be remediated	5704

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 365851

QUESTIONS (continued)

Operator: VINTAGE DRILLING LLC P. O. Box 248 Artesia, NM 88211024	OGRID:	24164
	Action Number:	365851
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Andrew Parker Title: Consultant Email: andrew@mcnabbpartners.com Date: 07/22/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 365851

QUESTIONS (continued)

Operator: VINTAGE DRILLING LLC P. O. Box 248 Artesia, NM 88211024	OGRID:
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	Action Number:
	365851
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 365851

QUESTIONS (continued)

Operator: VINTAGE DRILLING LLC P. O. Box 248 Artesia, NM 88211024	OGRID:
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	Action Number:
	365851
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	295928
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/20/2023
What was the (estimated) number of samples that were to be gathered	75
What was the sampling surface area in square feet	18400

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
--	----

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CONDITIONS

Action 365851

CONDITIONS

Operator: VINTAGE DRILLING LLC P. O. Box 248 Artesia, NM 88211024	OGRID:
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	Action Number:
	365851
Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation plan approved.	7/22/2024
amaxwell	Variance request to collect confirmation samples every 300 square feet is approved.	7/22/2024
amaxwell	• The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/22/2024
amaxwell	Submit a report via the OCD permitting portal by November 25, 2024.	7/22/2024